

Phibro-Tech, Inc.

January 2004 Quarterly Sampling Report Santa Fe Springs, California

April 19, 2004

Prepared for:

Phibro-Tech, Inc. (PTI)
8851 Dice Road
Santa Fe Springs, California 90670

Prepared by:

CDM
18581 Teller Avenue, Suite 200
Irvine, California 92612

Project No. 2279-36882.REP.REPT

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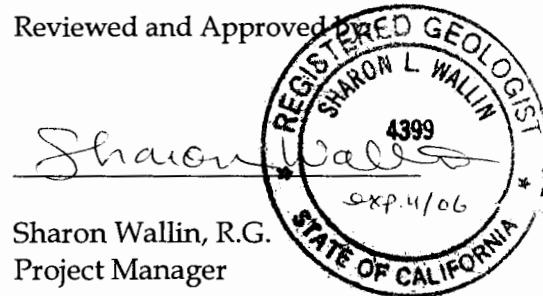
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CDM
18581 Teller Avenue, Suite 200
Irvine, California 92612

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The information contained in the January 2004 Quarterly Sampling Report for the Phibro-Tech, Inc. Santa Fe Springs, California facility has received appropriate technical review and approval. The activities outlined in the report were performed under the supervision of a Registered Geologist.

Reviewed and Approved by



Sharon Wallin, R.G.
Project Manager

PHIBRO-TECH, INC.

April 30, 2004

Mr. Ron Leach
USEPA, Region IX (H-4-4)
75 Hawthorne Avenue
San Francisco, CA 94105

Dear Mr. Leach:

Enclosed is the January 2004 Quarterly Groundwater Monitoring Report for Phibro-Tech, Inc., Santa Fe Springs' facility. The Report includes analytical results and physical measurements obtained January 21 – 23, 2004 from selected monitoring wells at Phibro-Tech. Since this Report includes portions of the RCRA Facility Investigation (USEPA Docket No. RCRA 09-89-0001), this Report will also be submitted to the EPA.

Based on a technical review by our consultant, Camp Dresser and McKee, a groundwater-monitoring program is included which was implemented beginning with the April 1991 groundwater monitoring. Additional wells and parameters changed at the request of EPA are included in this Groundwater Monitoring Report. The changes are described in the Report.

Please contact me if you have any questions or comments concerning this report.

Sincerely,



Marty Voss
EHS Manager

Enclosure

cc: see following page

cc: Steve Cohen
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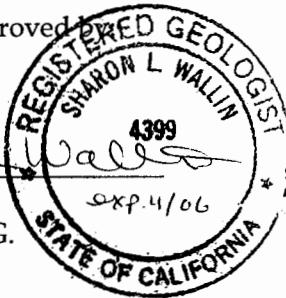
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Sharon Wallin,
Project Manager



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Section 1

Introduction

This report summarizes the January 2004 quarterly groundwater monitoring event at the Phibro-Tech, Inc. (PTI), Santa Fe Springs, California facility (formerly referred to as Southern California Chemical). This report presents the first quarter groundwater monitoring results for 2004. Contained herein are the results of laboratory analyses of groundwater samples and water level measurements obtained on January 21 through 23, 2004.

The purpose of this monitoring program, which began in March 1985, is to determine if compounds of concern detected in groundwater beneath the site are migrating from the facility. This objective is accomplished through the comparison of background or up gradient water quality and groundwater quality beneath the site. Statistically significant increases in contaminant concentrations between known areas of groundwater contamination and down gradient wells would indicate that migration is occurring. In the past, statistical analysis was performed annually and was included in the July quarterly monitoring reports. Statistical analysis is now conducted for each sampling event and is included in the corresponding monitoring report.

To date, three types of contaminants have generally been detected in the groundwater beneath the site: dissolved metals (primarily chromium and cadmium), non-chlorinated aromatic volatile organic compounds (VOCs, primarily benzene, toluene, ethylbenzene, and total xylenes [BTEX]), and chlorinated VOCs (primarily trichloroethene [TCE]). Groundwater modeling completed in January 1993, and groundwater monitoring conducted since 1985, indicates that the purgeable aromatic plume originated up gradient from the PTI facility. The distribution of TCE appears to be ubiquitous, although somewhat elevated concentrations exist in the vicinity of Pond 1, a RCRA-regulated former surface impoundment area. Elevated concentrations of soluble metals have also been consistently detected in the vicinity of Pond 1. Soluble metal concentrations at the down gradient property line and in deeper wells, however, continue to be near or below detection.

Approximately 18 years of quarterly groundwater monitoring at the PTI facility has indicated that dissolved hexavalent chromium is not migrating. During groundwater modeling performed by CDM in 1993, a retardation factor of 50 was selected based on the observed distribution of hexavalent chromium in the groundwater. Previous data analysis indicated that the most likely basis for the relatively high (but within the range of reasonable and appropriate values) retardation factor would be the existence of reducing conditions in the saturated zone, promoting the chemical reduction of hexavalent chromium to trivalent chromium ($\text{Cr } 3+$). Trivalent chromium, having a very low solubility in water, tends to precipitate and sorb to the soil, inhibiting migration. During four quarterly sampling events conducted in 1996, additional laboratory analyses (iron and redox potential) were performed on groundwater samples collected from wells MW-04, MW-09, and MW-14S. These additional data, along with the pH, total chromium, and hexavalent chromium data, provided a better

understanding of the mechanisms controlling chromium migration in groundwater underlying the facility and supported the above hypothesis. Please refer to Section 6.4 (Chromium Fate and Transport) of the October 1996 Quarterly Sampling Report for a detailed discussion of this conclusion.

In addition to the data obtained during the January 2004 sampling, this report contains tables listing detection limits of the parameters analyzed (Appendix A). Historic sampling results starting in January 1989 are presented in Appendix B. For ease of review, analytical results for the current sampling event and the previous four quarters are also summarized in Section 6, Tables 6-1 and 6-2. Copies of the original laboratory results for the January 2004 sampling event are included in Appendix C, and chain-of-custody records are included in Appendix D. Appendix E contains background groundwater concentrations of contaminants for the Santa Fe Springs area for the year 2001. Appendix F contains the complete quarterly statistical analysis.

Section 2

Monitoring Well Sampling

CDM personnel conducted groundwater sampling of existing on-site monitoring wells on January 21 through 23, 2004. Field activities were performed in general accordance with the groundwater sampling protocols as outlined in Section 4.3.3 of the approved RCRA Facility Investigation (RFI) Work Plan (CDM, June 1990). Prior to the submittal of the RFI Work Plan for regulatory agency review and approval, the J.H. Kleinfelder and Associates (Kleinfelder) Quality Assurance Project Plan (QAPP, May 1988) was used as the primary groundwater sampling guidance document. Proposed deviations from the RFI Work Plan (i.e., well purging using a submersible pump and sample collection using disposable bailers) were discussed in October 1994 correspondence to the DTSC. These changes were implemented during the October 1994 and all subsequent sampling events.

Twenty-four monitoring wells exist on-site. The locations of these wells are shown on Figure 2-1. One well, MW-06A, historically has not been sampled for groundwater analysis because it is screened in the Gage Aquifer, which is unsaturated below the PTI facility. The remaining wells are screened in the Hollydale Aquifer; 16 in the upper portion and 7 in the lower portion of the aquifer.

Beginning in February 1985, Kleinfelder initiated groundwater sampling, utilizing monitoring wells MW-01 through MW-06B. Six additional wells (MW-04A and MW-07 through MW-11) were installed at the site in July 1985, thereby increasing the total number of active wells to 12. Quarterly sampling of the 12 wells was initiated in March 1986.

Commencing with the January 1989 sampling event, CDM has been responsible for all groundwater-monitoring activities at the facility. Ten wells (MW-01D, MW-06D, MW-12S, MW-12D, MW-13S, MW-13D, MW-14S, MW-14D, MW-15S and MW-15D) were installed as part of the first phase of the RFI program and were first sampled during the October 1990 sampling round.

Groundwater analysis of the 22 wells that existed during the RFI program from October 1990 to January 1991, indicated that the number of wells sampled could be reduced and yield comparable results to sampling all the wells. During sampling rounds in April, July, and October 1991, and in January 1992, 11 wells were sampled. Wells screened in the upper portion of the Hollydale Aquifer included MW-01S, MW-03, MW-04, MW-07, MW-09, MW-11, MW-14S, and MW-15S, and wells screened in the lower portion of the Hollydale Aquifer included MW-01D, MW-04A, and MW-15D.

Beginning with the April 1992 sampling round, three additional wells (MW-06B, MW-06D, and MW-16) were included in the quarterly monitoring program, bringing the total number of sampled wells to 14. Well MW-16, constructed in March 1992 as part of the Phase II RFI program, was sampled for the first time during the April 1992

sampling round. The same 14 wells have been sampled during all subsequent sampling rounds. On several occasions, additional laboratory analyses have been performed and additional wells included in quarterly sampling, at the request of the U.S. EPA. Additional analyses and wells are noted in the comment column of Table 2-1, which summarizes the groundwater-monitoring program at the site.

In April 2000, the frequency of groundwater monitoring was reduced from quarterly to semi-annually. In April 2001, as requested by the California Department of Toxic Substances Control (DTSC), quarterly sampling was re-implemented.

The 14 wells currently included in quarterly sampling are MW-01S, MW-01D, MW-03, MW-04, MW-04A, MW-06B, MW-06D, MW-07, MW-09, MW-11, MW-14S, MW-15S, MW-15D, and MW-16. Ten shallow and four deep wells are analyzed for pH, metals (cadmium [Cd], chromium [Cr], and copper [Cu]) using EPA Method 6010A; hexavalent chromium (EPA Method 7199), and volatile organic compounds (EPA Method 8260B). During the July 2001 and October 2001 sampling events, DTSC requested that samples from wells MW-01S, MW-04, MW-09 and MW-11 be analyzed for 1,4-dioxane. In late 2002, DTSC requested that PTI conduct limited annual analyses for the Appendix IX suite of parameters. The four wells designated for Pond 1 monitoring (CDM, March 1996) (MW-04, MW-07, MW-11, and MW-14S) were selected for annual Appendix IX sampling and analysis. A detailed listing of analytical parameters per sampling event is provided in Table 2-1.

The 14 on site wells were purged and sampled in the following order: MW-01D, MW-01S, MW-03, MW-15D, MW-15S, MW-06D, MW-06B, MW-07, MW-14S, MW-04A, MW-04, MW-16, MW-09, and MW-11. CDM contracted Blaine Tech Services Inc. to assist with well gauging, purging, and sampling. A CDM geologist was present during sampling.

2.1 Sampling Procedure

Field sampling was conducted in general accordance with procedures detailed in the RFI Work Plan. Sampling practices included the following: measure static water level and total depth of each well in order to calculate pre-sampling evacuation volumes, check for floating product and hydrocarbon vapors at each well, purge each well and collect a groundwater sample for laboratory analysis, decontaminate sampling equipment, and handle sample-filled containers in accordance with Section 4.3.3.5 of the RFI Work Plan.

2.1.1 Organic Vapor Check

Standard field procedures included checking the interior of each well with a photoionization detector (PID) (equipped with a 10.6 eV lamp) for the presence of organic vapors whenever the well casing was opened. With the sampling team members standing upwind of the well, the well cap was opened slightly, allowing for the insertion of the PID probe tip inside the well. Readings were monitored until they stabilized, which was usually at zero parts per million (ppm). The peak reading was

recorded in the field logbook. The cap was then removed and the well allowed to vent for a short period of time prior to measuring the static water level. The maximum PID readings taken during the collection of water level measurements are shown in Table 5-1 in Section 5.

2.1.2 Detection of Immiscible Layers

To detect the presence of floating, immiscible layers on top of the groundwater surface, a clear bailer was lowered approximately one-half the length of the bailer below the surface of the water of each sampled well. The bailer was removed from the well and its contents checked for immiscible layers or iridescence. The bailer was decontaminated and the sampling line discarded after each day. If immiscible fluids had been detected, a sample would have been collected for laboratory analysis of VOCs (EPA Method 8260B) and total petroleum hydrocarbons (California Department of Health Services [CA DHS] Method) using a new bailer. As in all previous quarterly groundwater sampling at the PTI facility by CDM, immiscible layers were not detected during the January 2004 sampling event.

2.1.3 Static Water Level/Well Depth Measurement

On January 21, 2004, the static water level at 23 of the 24 on-site wells was measured three times at each well location with a decontaminated electric water level indicator (sounder) prior to the initiation of on-site well pumping. The three measurements collected in each well were identical. The results of these measurements are shown in Table 5-1 and discussed in Section 5. One well (MW-06A) was dry, and MW-02 was not measured due to its proximity to MW-12S.

The water level in each well was also measured immediately prior to initiating well evacuation procedures for calculation of well purge volume. During measurement, the measuring (reference) point used was noted (i.e., the top of the steel casing), and the depth to water below the reference point was measured to the nearest 0.01 foot and recorded in the field logbook. Wellhead elevation data were used with depth to water measurements to calculate groundwater elevation at each well location.

The total depth of each well sampled was also measured with the sounder to the nearest 0.1 foot. The amount of fill material in the bottom of the well was calculated from well construction data and noted in the logbook. The sounder probe and line were decontaminated after each use.

2.1.4 Purge Volume Determination/Well Evacuation

Saturated casing volume was calculated at each well by using the depth to water and bottom sounding measurements obtained immediately prior to purging, to calculate the amount (height) of the saturated well casing. The inside diameter of the casing was then measured, and the following formula applied:

$$\text{Volume} = \pi(\text{radius}^2) \times \text{height}$$

A minimum of three saturated casing volumes of water were evacuated from each well prior to collecting a groundwater sample for laboratory analysis.

During the January 2004 sampling round, all 14 of the wells sampled were purged using a portable Grundfos 2-inch diameter variable-speed submersible pump, and each well was sampled using a new disposable bailer. In most cases, the pump was installed approximately five feet below the top of the water column, at approximately 60 feet below ground surface (bgs).

Field parameters were measured during well evacuation using multimeter and turbidity meter for all wells. These instruments were calibrated or field checked prior to use with standard solutions in accordance with manufacturer's directions. These instruments were used to determine the stability of discharge water field parameters prior to collection of a sample for laboratory analysis.

Periodically during well evacuation, the field parameters of the discharge water were measured and recorded in the logbook. The physical appearance of the water (turbidity, color, sediment content, etc.) was also noted and recorded. Initial field turbidity measurements generally ranged from 3 to greater than 1,000 NTU (nephelometric turbidity units) at the start of well evacuation. At the end of well evacuation, measurements were generally less than 10 NTU. Higher turbidity at the start of purging seems to be related to agitating the water column and re-suspending material from the bottom of the well during pump installation. After a minimum of three saturated casing volumes of water were evacuated from each well and the field parameters stabilized (change between readings of less than 5 to 10 percent), a sample for laboratory analysis was collected.

All purge water collected from each well was contained in a 400-gallon truck-mounted portable tank and then discharged directly into the PTI facility's wastewater treatment system.

2.1.5 Sample Collection and Handling

Groundwater samples were collected with a new disposable bailer from the approximate middle of the perforated section, and poured directly into previously labeled sample bottles. During sample collection, the bailer was carefully and gently lowered past the air/water interface to minimize agitation and aeration of water during sample collection. The sample bottles were placed inside plastic zip-lock bags and then placed immediately into an ice-cooled chest. Prior to shipment, the bottles were cushioned with bubble wrap or plastic bags to avoid breakage. Samples collected for total metals analysis were field filtered using a 0.45-micron filter. A volume of groundwater equal to two times the capacity of the filtering device was passed through the filter and discarded prior to filtering each sample for total dissolved metals (Cd, Cu, and Cr) analysis. Filters were discarded after each use.

The January 2004 groundwater samples were collected for laboratory analysis of the following parameters:

- Volatile Organic Compounds by EPA method 8260
- Metals (Cd, Cu, and Cr) EPA method 6010
- Hexavalent Chromium (Cr^{+6}) EPA method 7199
- pH

Groundwater sample bottles were numbered using the following format:

PTI-MW01S-060

Where:

PTI	- designates site acronym
MW01S	- designates monitoring well (MW) location number
EB	- designates equipment blank sample
TB	- designates travel blank sample
060	- designates sequential sampling event number

This was the 59th round of sampling conducted by CDM, however, due to a previous labeling inconsistency, a 060 sequence number was assigned to all groundwater samples collected during this round. Sample label information included date and time of sampling, CDM sample number, and analytical parameters.

Chain-of-custody forms that indicated the label information as well as the responsible person during each step of the transportation process accompanied all filled sample containers that were collected from each well. All samples collected during this sampling event were sent by courier to Del Mar Analytical in Irvine, California on the day that they were collected, and a copy of the chain-of-custody form for that day was retained by CDM field personnel. Copies of completed chain-of-custody forms are included in Appendix D. The laboratory was notified at the time of delivery that one or more hexavalent chromium (Cr^{+6}) sample(s) were contained in the shipment to ensure that the samples would be analyzed within the prescribed 24-hour holding period.

2.2 Equipment Decontamination Procedures

The following sections describe the procedures utilized to decontaminate groundwater-sampling equipment.

2.2.1 Sampling Pump/Lines Decontamination

The submersible pump and discharge tubing used for well purging were decontaminated to reduce the possibility of cross-contamination between monitoring wells. The first step in the decontamination procedure was to submerge the pump into a 4-foot section of 4-inch diameter PVC pipe containing a soap (Alconox, a

laboratory-grade detergent) and water mixture. Then, at least five gallons of the solution were pumped through the system. The pump assembly was then submerged in another section of PVC pipe filled with tap water and at least 10 gallons were pumped through the system. The final decontamination step was accomplished by submerging the pump into another section of PVC pipe containing deionized (DI) water and pumping approximately five gallons of DI water through the system.

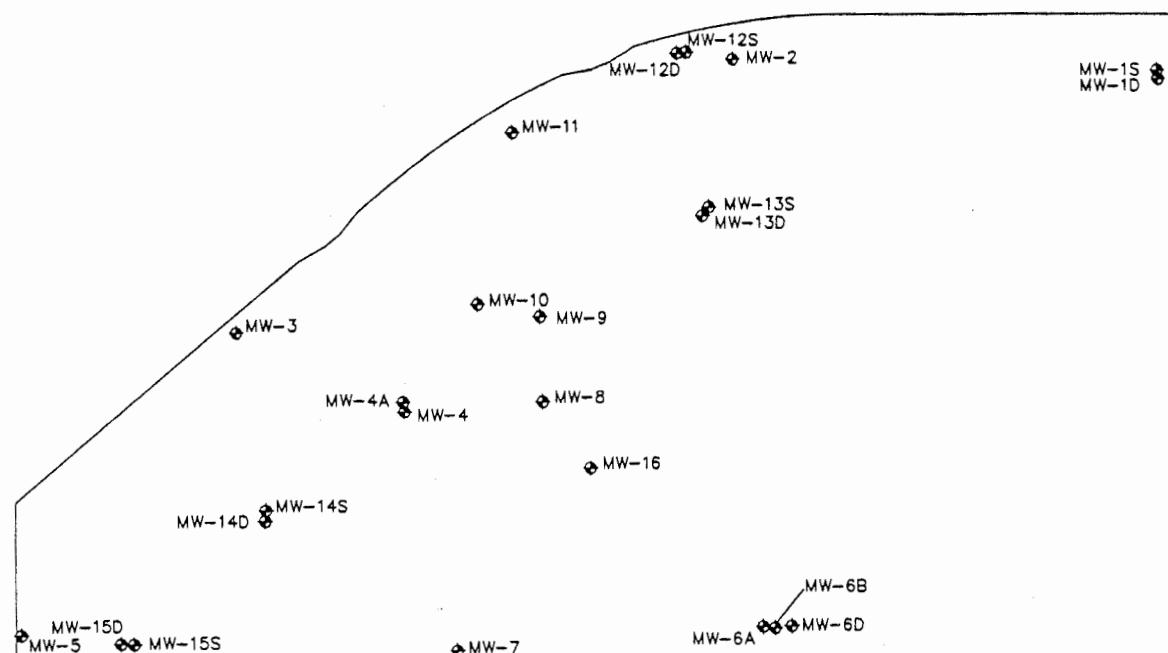
The exterior of the pump and discharge tubing was steam cleaned, as well as the exterior of the reel holding the tubing. The decontamination of the exterior pump line was performed over a stainless steel containment basin located on the groundwater-sampling rig. The spent water was recovered and discharged into the facility's wastewater treatment system.

2.2.2 Accessory Sampling Equipment Decontamination

Accessory sampling equipment such as the water level sounder was also decontaminated to minimize the possibility of cross-contamination between the monitoring wells. The sounder was decontaminated first by washing in a bucket of soap and water, followed by a tap water rinse, followed by a final DI water rinse. Bailers used to test for an immiscible layer were decontaminated and reused. The bailers and nylon rope that were used to sample wells were discarded immediately after use.

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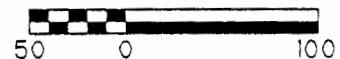
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LEGEND

- PROPERTY LINE
- MONITORING WELL

1" = 100'



PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Monitoring Well Location Map

Table 2-1
PHIBRO-TECH, INC.
Groundwater Monitoring Program Summary

Sampling Event	Indicator Parameters	Trace Metals	Hexavalent Chromium	Chloride	Nitrate	Volatile Organics	Appendix IX	1,4-Dioxane	Comments
3/85	Quad	Cu & Zn	X	X	X	--	--	--	Sampled wells MW-1, 2, 3, 4, 5, & 6B. Sulfide, nickel, copper and zinc requested by DOHS and RWQCB. Also Appendix III parameters and water quality parameters (see footnote).
7/85	Quad	Cd, Cr	X	--	X	--	--	--	Sampled wells MW-4A, 7, 8, 10 and 11
3/86	Quad	Cu & Zn	X	X	X	--	--	--	Sampled 12 wells (MW1, 2, 3, 4, 4A, 5, 6B, 7, 8, 9, 10 & 11). Also Appendix III parameters and water quality parameters (see footnote).
7/86, 9/86, 12/86	Quad	Cd, Cr, Cu, Zn	X	X	X	624	--	--	Sampled all 12 wells (as previous)
3/87	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	Sampled 11 wells, <u>not 4A</u>
7/87, 10/87, 2/88	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	After July 1987, all 12 wells were sampled during each event
6/88	X (not Quad)	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	Performed statistical analysis (t-test) on Indicator Parameters (IPs).
9/88	--	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	IPs & volatile organics from MW1, 2, 4A, 5, 6, 7 analyzed semi-annually in June/Dec.
1/89	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	After Jan. 1989, volatile organics analyzed for all 12 wells.
4/89	--	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	
7/89	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	Performed statistical analysis of Jan. thru July 1989 data (IPs, total and hexavalent chromium).
10/89	--	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	
1/90	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	
4/90	--	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	
7/90	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	Performed statistical analysis of Jan. 1989 data (IPs, total and hexavalent chromium).
10/90	--	Cd, Cr, Cu, Fe, Ni, Pb, Zn	X	X	X	601/602	X	--	Sampled 22 wells, Appendix IX parameters analyses were performed on wells 4, 4A, 6B, 6D, 12S, 12D, 15S, 15D, plus a duplicate of 4.
1/91	Quad	Cd, Cr, Cu, Fe, Ni, Pb, Zn	X	X	X	601/602	--	--	Sampled 22 wells.
4/91	pH	Cd, Cr, Cu	X	--	--	601/602	--	--	New sampling program was initiated. Sampled 11 wells including wells MW-01S, MW-01D, -03, -04, -04A, -07, -09, -11, -14S, -15S, -15D.
7/91	pH	Cd, Cr, Cu	X	--	--	601/602	--	--	Performed annual statistical analysis.
10/91	pH	Cd, Cr, Cu	X	--	--	601/602	--	--	
1/92	pH only (all) TOC only (MW-01 & -04)	Cd, Cr, Cu	X	--	Ammonia as nitrogen (MW-01 & -04)	601/602	--	--	Ammonia & TOC analyses added at MW-01S and MW-04.
4/92	pH only TOC only (MW-01, -04, -09, -14S) see comments	Cd, Cr, Cu-all	X	--	Ammonia as nitrogen (MW-01, -04, -09, -14S)	601/602	EDB (MW-04) TPH (W-16)	--	Sampled 14 wells including Wells MW-01S, -01D, -03, -04, -04A, -06B, -06D, -07, -09, -11, -14S, -15S, -15D, -16. Additional analysis as part of Phase II RFI; unfiltered metals on MW-04S and -14S. Pb and Ni on wells 1, 4, 14S, 15S, 16; Fe, Zn on well 16.
7/92	pH	Cd, Cr, Cu	X	--	--	601/602	--	--	Sampled 14 wells. Performed annual statistical analysis.

Table 2-1
PHIBRO-TECH, INC.
Groundwater Monitoring Program Summary (continued)

Sampling Event	Indicator Parameters	Trace Metals	Hexavalent Chromium	Chloride	Nitrate	Volatile Organics	Appendix IX	1,4-Dioxane	Comments
10/92	pH	Cd, Cr, Cu	X	--	--	601/602	--	--	Sampled 14 wells.
1/93, 4/93	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 14 wells.
7/93	pH	Cd, Cr, Cu	X	--		8010/8020 (TVPH, TEPH)	--	--	Sampled 15 wells. (MW-13S was added) TVPH and TEPH analysis on MW-09, 13S, and 16 only. Performed annual statistical analysis.
10/93	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 15 wells (MW-13S not analyzed for metals and pH) TVPH & TEPH analysis on MW-04, 07, 09, 13S, and 16 only. Performed statistical analysis.
1/94, 4/94	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 14 wells Performed statistical analysis.
7/94	pH	Cd, Cr, Cu	X	See comment	--	8010/8020	--	--	Sampled 14 wells, chloride and sulfate analyses on MW-04, MW-09, MW-14S, MW-15S, MW-15D, and MW-16. Performed statistical analysis
10/94, 1/95, 4/95, 7/95, 10/95	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 14 wells Performed statistical analysis.
1/96	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 14 wells Performed statistical analysis. 1995 Annual Report included as Appendix F.
4/96, 7/96	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 14 wells Performed statistical analysis.
10/96	pH	Cd, Cr, Cu	X	--	--	8010/ 8020	--	--	Sampled 14 wells Performed statistical analysis. 1996 Annual Report included as Appendix F.
1/97	pH	Cd, Cr, Cu	X	--	--	8260, MTBE	--	--	Sampled 14 wells Performed statistical analysis.
4/97, 7/97	pH	Cd, Cr, Cu	X	--	--	8260	--	--	Sampled 14 wells Performed statistical analysis.
10/97	pH	Cd, Cr, Cu	X	--	--	8260	--	--	Sampled 14 wells Performed statistical analysis. 1997 Annual Report included as Appendix F.
1/98	pH	Cd, Cr, Cu	X	--	--	8260	--	--	Sampled 14 wells Performed statistical analysis. Hexavalent Chromium by Method 7196 in all wells; and by Method 218.6 in wells MW-4A, MW-14S, MW-15S, and MW-15D.
4/98, 7/98	pH	Cd, Cr, Cu	X	--	--	8260	--	--	Sampled 14 wells Performed statistical analysis.
10/98	pH	Cd, Cr, Cu	X	--	--	8260	--	--	Sampled 14 wells Performed statistical analysis. 1998 Annual Report included as Appendix F.

Table 2-1
PHIBRO-TECH, INC.
Groundwater Monitoring Program Summary (continued)

Sampling Event	Indicator Parameters	Trace Metals	Hexavalent Chromium	Chloride	Nitrate	Volatile Organics	Appendix IX	1,4-Dioxane	Comments
1/99, 4/99, 7/99, 10/99, 01/00, 04/00, 10/00, 04/01	pH	Cd,Cr,Cu	X*	--	--	8260	--	--	Sampled 14 wells Performed statistical analysis. Monitoring and reporting frequency changed from quarterly to semi-annually in April 2000. Monitoring and reporting frequency changed back from semi-annually to quarterly in April 2001.
07/01, 10/01	pH	Cd,Cr,Cu	X*	--	--	8260	-	MW-015 MW-04 MW-09 MW-11 MW-06D MW-15D	Sampled 14 wells Performed statistical analysis. 2001 Annual Report included as Appendix G (10/01) 1,4-Dioxane sampled in selected wells (MW-01S, MW-04, MW-04A, MW-06D, MW-11, and MW-15D) during 07/01 and 10/01.
1/02, 4/02, 7/02	pH	Cd,Cr,Cu	X	-	-	8260B	-	-	Sampled 14 wells Performed statistical analysis.
10/02	pH	Title 22 Metals	X	-	-	8260B	X	-	Sampled 14 wells Performed statistical analysis. Annual Report included results for Appendix IX analyses performed on samples from wells MW-04, MW-07, MW-11, and MW-14S.
1/03, 4/03, 7/03	pH	Cd, Cr, Cu	X	-	-	8260B	-	-	Sampled 14 wells Performed statistical analysis.
10/03	pH	Title 22 Metals	X	-	-	8260B	X	-	Sampled 14 wells Performed statistical analysis. Annual Report includes results for Appendix IX analyses performed on samples from wells MW-04, MW-07, MW-11, and MW-14S.
1/04	pH	Cd, Cr, Cu	X	-	-	8260B	-	-	Sampled 14 wells Performed statistical analysis.

Appendix III Parameters -

As, Ba, Cd, Cr, F, Pb, Hg, N, Se, Ag, Endrin, Lindane, Methoxychlor, Toxaphene, 2,4-D, 2,4,5-TP (Silvex), Radium, Gross Alpha & Beta, Turbidity, coliform bacteria.

Water Quality Parameters -

Cl, Fe, Mn, Phenols, Na, SO4

Indicator Parameters (IP) -

TOX, TOC, pH, EC (quadruplicate)

624 - Volatile organics analysis

601/602 - Purgeable halocarbons/aromatics analysis

8010/8020 - Purgeable halocarbons/aromatic analysis

8260 - Purgeable halocarbons/aromatic analysis

MTBE - Methyl tertiary butyl ether

Appendix IX Parameters - See Appendix F in the October 1990 Quarterly Sampling Report for a complete listing of parameters.

* Analytical method changed from EPA 7196 to 7199 beginning with the October 2000 Sampling Event

Section 3

Laboratory Testing

As previously discussed, Del Mar Analytical (DMA) provided analysis of the 22 aqueous samples collected during the January 2004 monitoring event. Fourteen monitoring well samples, two blind duplicate samples from MW-04 and MW-09, two equipment blank (EB) samples, and one decontamination water sample were collected and submitted to DMA for analysis of volatile organic compounds (VOCs by EPA Method 8260B), metals (EPA Method 6010), hexavalent chromium (EPA Method 7199), and pH. Three travel blanks (TB) were also submitted to Del Mar Analytical for analysis of VOCs only.

January 2004 groundwater analytical results are discussed in Section 6 and summarized in Tables 6-1 and 6-2. Quality assurance analytical results (duplicates, equipment blanks, and travel blanks) are discussed in Section 4 and summarized in Table 4-1. Individual analytical reports are contained in Appendix C.

Section 4

Quality Assurance

To verify the accuracy and validity of analytical data, certain quality assurance procedures were implemented. The field and laboratory quality assurance results were checked for deviations from the Quality Assurance (QA) guidelines discussed in the RFI Work Plan.

4.1 Field Quality Assurance

The field QA procedures included the use of duplicate samples, equipment blanks, travel blanks, and the use of chain-of-custody forms. The results of the QA analyses have been compiled in Table 4-1. Detection limits of parameters analyzed are shown in the analytical reports contained in Appendix A. Relative Percent Difference (RPD) between original and duplicate samples is also listed in Table 4-1.

4.1.1 Duplicate Samples

Standard accepted practice is to submit one duplicate sample for analysis for approximately every tenth sample collected. During this round of sampling, duplicate samples were collected from monitoring wells MW-04 and MW-09. The duplicate samples were submitted to the analytical laboratory as blind samples, and were designated MW-35 and MW-37, respectively, on the chain of custody forms. Monitoring wells MW-04 and MW-09 were selected due to elevated concentrations of certain contaminants detected during previous sampling rounds. Analytical results for the duplicate samples for January 2004 are shown in Table 4-1.

Relative percent differences (RPDs) between samples and duplicates collected from wells MW-09 and MW-04 is less than 20 percent for all parameters except total chromium and total xylenes (Table 4-1). Dissolved chromium had an RPD of 31.6 percent and total xylenes had an RPD of 30.1 percent at well MW-04.

4.1.2 Equipment Blanks

Two equipment blank samples were taken during this sampling event. An equipment blank taken on January 21, 2004 was obtained by allowing deionized water to flow off the decontaminated submersible pump that was used to pump the groundwater samples for the entire sampling event, after well MW-01S and before well MW-03. The purpose of this equipment blank was to assure that the pump was being sufficiently decontaminated between wells. The equipment blank taken on January 22, 2004 was obtained by allowing the deionized water to flow through a new, pre-cleaned, disposable bailer before sampling well MW-04A. The purpose of this equipment blank was to evaluate and ensure the effectiveness of factory cleaning of the disposable bailer. The samples were collected in the appropriate containers and submitted for laboratory analysis of volatile organic compounds (EPA Method 8260), cadmium, chromium (total and hexavalent), copper, and pH. The laboratory provided laboratory grade deionized water used for the collection of the equipment blanks. No

compounds were detected in the equipment blank samples, as shown with sample type "EB" on Table 4-1.

4.1.3 Decontamination Water Blank

Water used for decontamination was collected for a decontamination water blank on January 22, 2004 by pouring decontamination water into the appropriate sample containers. The water used for the decontamination water blank was the same water used for decontaminating the pump and the sounder.

Analytical results for the deionized/distilled water blank, indicated with sample type "DI," are shown in Table 4-1. Chloroform was detected at 5.5 µg/L. However, it is unlikely that the decontamination water is influencing groundwater samples, as chloroform is not detected uniformly in site samples.

4.1.4 Travel Blanks

The detection of compounds in travel blanks is generally indicative of systematic contamination from sample transport, laboratory glassware cleaning, laboratory storage, or analytical procedures. During the January 2004 sampling event, three laboratory-prepared travel blanks (one for each day of sampling) consisting of organic-free water were labeled and submitted to the laboratory for volatile organic compound analysis by EPA Method 8260. The travel blanks were placed inside the cooler containing samples for volatile organic compounds, and accompanied the sample containers throughout the sampling event. No compounds were detected in the travel blank samples, as shown with sample type "TB" on Table 4-1.

4.1.5 Sample Control

All sample containers were labeled immediately prior to sampling with the sample identification information completed with a waterproof pen. Samples were transported under chain-of-custody and hand delivered by courier to the laboratory in ice-cooled chests. Copies of the chain-of-custody records are included in Appendix D.

4.2 Laboratory Quality Assurance

Internal laboratory QA/QC results were provided with each sample analytical report. Matrix spike, matrix spike duplicate, method blank, and duplicate control sample results are noted in the QA/QC reports. In addition, surrogate recoveries are also noted for volatile organics analyses.

Samples for hexavalent chromium and pH for all samples were analyzed within the 24-holding time.

Table 4-1
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2004
Field Quality Control Sample Analytical Summary

Well ID	Sample Date	Sample Type	Metals (mg/L)				VOCs (ug/L)															
			Cadmium	Chromium	Cr+6	Copper	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	PCE	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CBN	CFM	cis-1,2-DCE	trans-1,2-DCE	1,1,1-TCA	MCL	ISB
MW-04	01/23/04		0.32	22	28	0.02 RL-1,U	5.7	4 U	200	9.6	4 U	190	74	200	120	4 U	16	170	4 U	4 U	73	21
		K	0.27	16	29	0.02 RL-1,U	6.3	2.5 U	210	13	3	200	76	190	140	3.2	16	150	3.4	2.5 U	67	25
		RPD	16.9 %	31.6 %	3.5 %		10 %		4.9 %	30.1 %		5.1 %	2.7 %	5.1 %	15.4 %		0 %	12.5 %		8.6 %	17.4 %	
MW-09	01/23/04		0.005 U	2.4	2.8	0.01 U	0.5 U	1 U	1 U	2 U	5.6	95	27	94	26	1.6	38	4.9	1 U	1.4	14	1 U
		K	0.005 U	2.4	2.7	0.01 U	0.5 U	1 U	1 U	2 U	5.9	100	28	99	26	1.7	41	5.5	1 U	1.7	12	1 U
		RPD	0 %	3.6 %							5.2 %	5.1 %	3.6 %	5.2 %	0 %	6.1 %	7.6 %	11.5 %		19.4 %	15.4 %	
DI	01/22/04	N	0.005 U	0.005 U	0.001 U	0.01 U	0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	5.5	1 U	1 U	1 U	5 U	1 U
EB	01/21/04	N	0.005 U	0.005 U	0.001 U	0.01 U	0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
	01/22/04	N	0.005 U	0.005 U	0.001 U	0.01 U	0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
TB	01/21/04	TB					0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
	01/22/04	TB					0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
	01/23/04	TB					0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U

Notes:

PCE = Tetrachloroethene; TCE = Trichloroethene; DCE = Dichloroethene; DCA = Dichloroethane; CFM = Chloroform; MCL = Methylene chloride; TCA = Trichloroethane; CBN = Chlorobenzene; ISB = Isopropylbenzene

RL-1 = Reporting Limit elevated due to sample matrix effects.

U = Not detected at a concentration greater than the reporting limit shown.

Only detected compounds are listed.

Sample Type:

K = Duplicate (split) Sample

TB = Trip Blank

N = Equipment Decontamination Blank

RPD = Relative Percent Difference between original and duplicate samples (%)

Section 5

Groundwater Elevation

On January 21, 2004, prior to the initiation of well evacuation procedures, the depth to groundwater was measured in 22 of the 24 on-site monitoring wells. Groundwater elevations were calculated by subtracting the depth to static water level from the surveyed elevation of the corresponding monitoring well.

During the current sampling event, water level measurements were taken at shallow wells MW-01S, MW-03, MW-04, MW-05, MW-06B, MW-07, MW-08, MW-09, MW-10, MW-11, MW-12S, MW-13S, MW-14S, MW-15S, and MW-16. Water level measurements were also taken at deep wells MW-01D, MW-04A, MW-06D, MW-12D, MW-13D, MW-14D, and MW-15D. These wells were measured to evaluate the direction and gradient of groundwater flow underlying the facility and to help characterize the shallow and deep aquifer interaction. Well MW-02 was not measured due to its proximity to MW-12S. Well MW-06A was found to be dry.

Table 5-1 lists the depths to water and groundwater elevations for each well sampled. Figure 5-1 shows the approximate groundwater surface elevation of the upper Hollydale Aquifer for wells screened in the shallow interval using data collected during the present sampling round. The contours shown in Figures 5-1 and 5-2 were generated by Land Desktop Development (LDD), a surface contouring software developed by Autodesk. LDD is commonly used in conjunction with CADD (Computer Aided Drafting and Design) to produce contour maps and other graphics.

The direction of groundwater flow in the shallow monitoring wells is approximately southwest at an average gradient of 0.0047 feet per foot (ft/ft). In particular, the shallow gradient was calculated between wells MW-01S and MW-16. The gradient in the shallow wells is slightly greater than the October 2003 sampling event, which had a gradient of 0.0045 ft/ft (CDM, January 2004).

Figure 5-2 shows the approximate groundwater elevation of the lower Hollydale Aquifer for wells screened in the deeper interval (78.3 to 123.5 feet below ground surface). Groundwater contours for the deeper wells follow the same general trend as those of the shallow wells, with a direction of groundwater flow towards the southwest at an average gradient of 0.0046 ft/ft. The gradient was calculated between wells MW-13D and MW-14D. This is slightly greater than the average gradient of 0.0043 ft/ft during the previous quarter.

At the 22 wells measured for water levels during this sampling round, there are seven locations where a deep well was measured adjacent to a shallow well. The screened intervals of the shallow wells vary (see Table 5-1), with 15 to 30 feet of screen placed within the interval from 45 to 77 feet below ground surface (bgs). Deep wells are screened with 15 to 20 feet of screen within the interval from 78.3 to 107 feet bgs, with the exception of MW-15D, which is screened from 108.5 to 123.5 feet bgs.

Of the well pairs, groundwater elevations at shallow wells MW-01S, MW-04, MW-12S, MW-13S, MW-14S and MW-15S were slightly higher (0.06 feet to 0.23 feet) than the corresponding deep well elevations. The groundwater elevation at deep well MW-06D was slightly higher (0.02 feet) than shallow well elevation at MW-06B. Based on these and past groundwater elevation comparisons among shallow and deep well pairs, it does not appear that a well-defined vertical gradient between shallow and deep intervals exists.

Average groundwater elevations during the present sampling event decreased compared to the previous sampling event by an average of 1.60 feet. The maximum groundwater elevation decrease occurred in well MW-06D, which decreased by 1.81 feet.

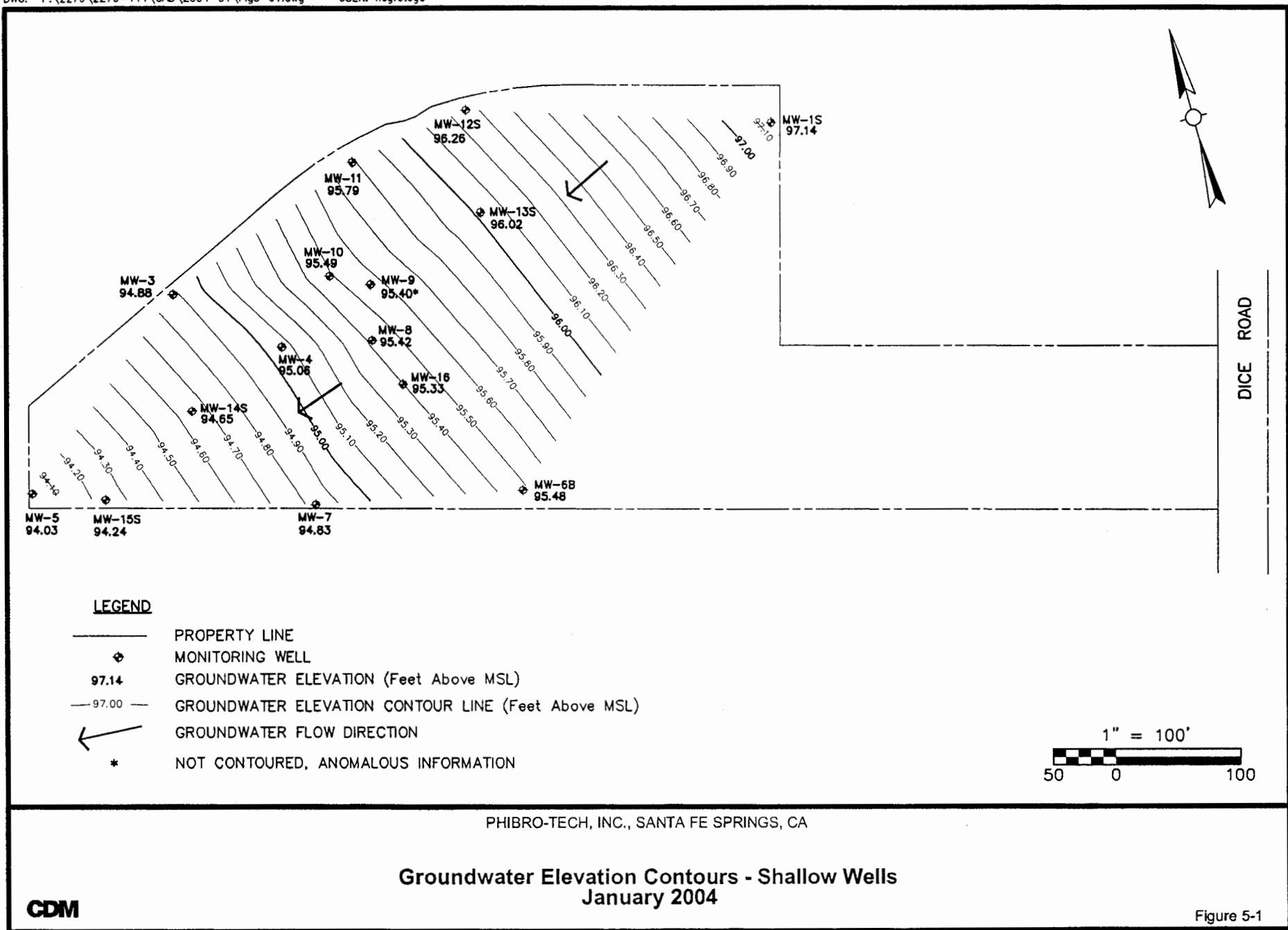
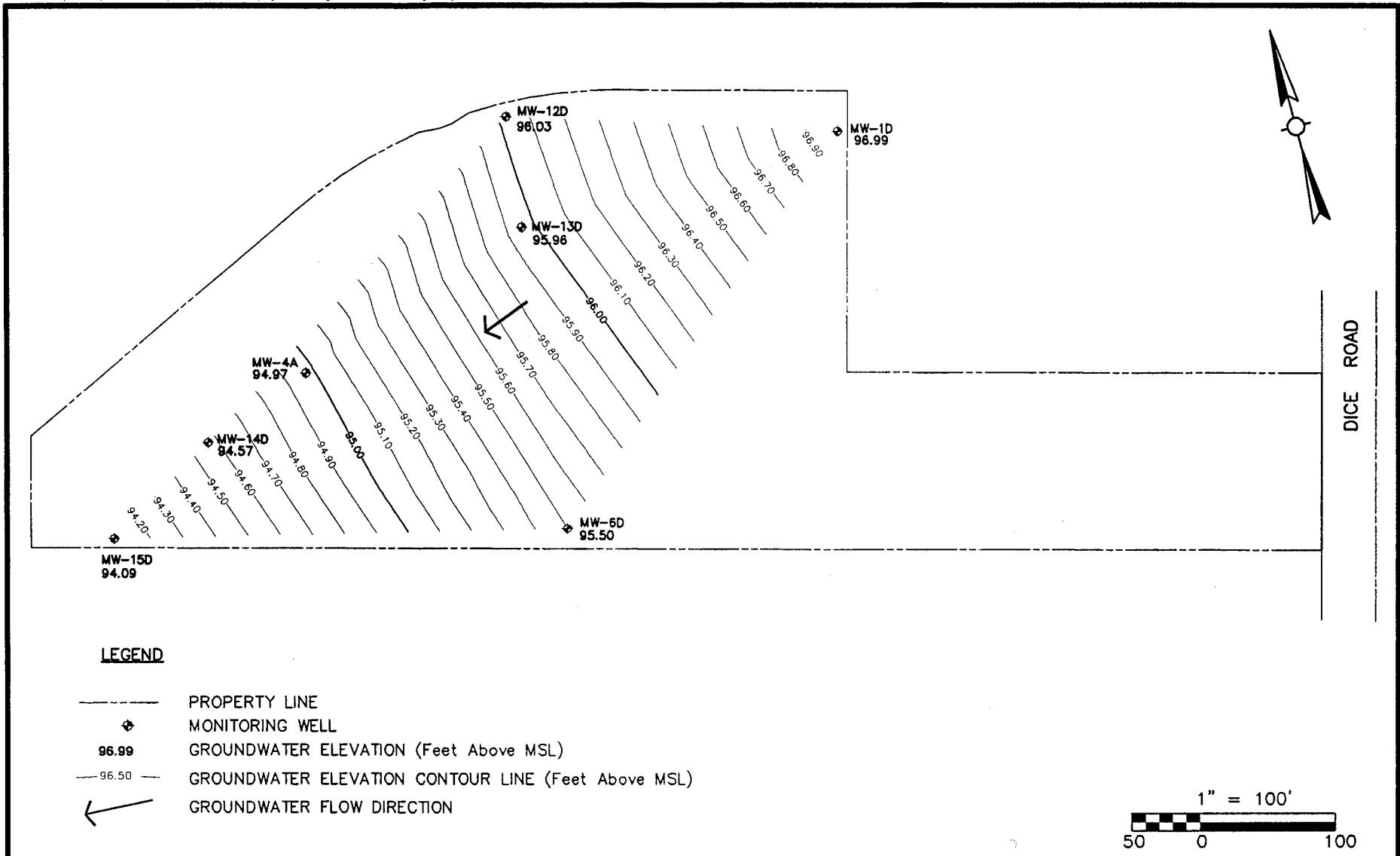


Figure 5-1



PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Groundwater Elevation Contours - Deep Wells
January 2004

CDM

Figure 5-2

Table 5-1
Phibro-Tech, Inc.
January 2004
Groundwater Elevation Data

Well No.	Well Headspace* (ppm)	Total Depth Constructed (feet bgs)	Total Depth Measured (feet bgs)	Perforated Intervals (feet bgs)	Calculated Casing Fill (feet)	MP Elevation (feet above MSL)	Depth to Water (feet below MP)	Groundwater Elevation (feet above MSL) January 2004	Groundwater Elevation (feet above MSL) October 2003
MW-01S	0.7 / 0.0	62.5	62.34	47-62.5	0.2	152.63	55.49	97.14	98.60
MW-01D	0.0 / 0.0	94.8	95.92	79.5-94.5	--	152.60	55.61	96.99	98.45
MW-03	22.0 / 0.0	75.0	76.33	45-75	--	154.75	59.87	94.88	96.42
MW-04	2.2 / 0.0	75.0	70.14	45-75	4.9	152.37	57.31	95.06	96.65
MW-04A	0.0 / 0.0	107.0	108.62	87-107	--	152.46	57.49	94.97	96.65
MW-05	0.0 / 0.0	75.0	73.30	45-75	1.7	153.26	59.23	94.03	95.80
MW-06A	0.0 / 0.0	30.0	29.01	10-30	1.0	---	---	Dry	Dry
MW-06B	0.0 / 0.0	77.0	76.00	45-75	1.0	149.53	54.05	95.48	97.24
MW-06D	0.0 / 0.0	95.5	90.76	79-94	4.7	150.13	54.63	95.50	97.31
MW-07	0.0 / 0.0	75.0	71.24	45-75	3.8	149.42	54.59	94.83	96.61
MW-08	2.2 / 0.0	71.0	70.20	41-71	0.8	150.17	54.75	95.42	97.00
MW-09	5.8 / 0.0	77.0	75.70	44-77	1.3	152.96	57.56	95.40	97.06
MW-10	0.7 / 0.0	75.0	76.32	45-75	--	153.89	58.40	95.49	97.01
MW-11	0.0 / 0.0	75.5	76.93	55-75	--	155.76	59.97	95.79	97.23
MW-12S	1.9 / 0.0	72.0	74.93	51-72	--	155.79	59.53	96.26	97.69
MW-12D	0.0 / 0.0	101.0	102.83	84.5-100	--	155.72	59.69	96.03	97.52
MW-13S	2.9 / 0.0	70.3	69.47	50.3-70.3	0.8	151.72	55.70	96.02	97.46
MW-13D	0.0 / 0.0	93.3	93.70	78.3-93.3	--	151.68	55.72	95.96	97.48
MW-14S	2.2 / 0.0	71.5	70.87	51.5-71.5	0.6	150.54	55.89	94.65	96.36
MW-14D	0.7 / 0.0	103.3	104.02	88-103	--	150.60	56.03	94.57	96.24
MW-15S	0.0 / 0.0	71.5	71.49	51.5-71.5	0.0	151.01	56.77	94.24	95.99
MW-15D	0.7 / 0.0	123.8	124.05	108.5-123.5	--	150.96	56.87	94.09	95.69
MW-16	1.4 / 0.0	62.5	62.11	42-62	0.4	150.27	54.94	95.33	96.95

MP = Measuring point (top of steel casing)

--- = Not measured or not calculated.

bgs = below ground surface

ppm = parts per million

MSL = mean sea level

* Measured with PID prior to sampling (casing/background).

Note: Depth to water measurements collected on January 21, 2004 prior to purging/sampling on-site wells.

Section 6

Groundwater Quality

Historical and recent sampling results are summarized in Appendix B. Analytical results for the last 12 month period, including the most recent quarterly sampling event, are summarized in Tables 6-1 and 6-2. Starting with the July 2001 sampling event, the analytical results were provided electronically by the laboratory and input directly into the project Access database. Laboratory analytical reports for all wells sampled during the January 2004 sampling round are provided in Appendix C.

Consistent with the results of laboratory testing performed on the groundwater samples collected since January 1989 from the on-site monitoring wells, three contaminant plumes in the Hollydale Aquifer were identified. Historically, these plumes have been present at varying concentrations and lateral extent. One small plume, consisting primarily of chromium and smaller concentrations of cadmium, has been aligned in a northeasterly to southwesterly direction in the vicinity of wells MW-04 and MW-14S. The second, consisting of purgeable aromatics (BTEX), appears to originate at the northwestern portion of the site, with highest concentrations at MW-03, MW-11, and MW-04. The third plume consists of TCE and related parameters with highest concentrations generally detected in wells MW-14S, MW-11, MW-09, MW-04 and MW-03.

6.1 Halogenated Volatile Organic Compounds

Table 6-1 shows the analytical results for VOCs in deep and shallow wells sampled during January 2004. TCE was the primary compound detected, with miscellaneous other halogenated VOCs also detected. The table also shows, for comparison purposes, maximum contaminant limits (MCLs) where established.

Trichloroethene (TCE)

TCE was detected in all 14 of the groundwater monitoring wells sampled. Concentrations of TCE detected in the shallow and deep zone wells are shown on Figures 6-1 and 6-2, respectively. The highest concentration of TCE detected was 480 micrograms per liter ($\mu\text{g}/\text{L}$) in well MW-14S. This concentration represents a decrease from 490 $\mu\text{g}/\text{L}$ observed during the previous quarter. The second highest concentration of TCE detected was 200 $\mu\text{g}/\text{L}$ in well MW-03, an increase from the result of 110 $\mu\text{g}/\text{L}$ detected during the previous quarter. Of the fourteen wells sampled, thirteen wells contained concentrations of TCE that exceeded the MCL of 5 $\mu\text{g}/\text{L}$.

Compared to the previous quarter, TCE concentrations increased in five of the ten shallow wells sampled: MW-01S, MW-03, MW-04, MW-07, and MW-15S. TCE remained the same at well MW-06B, at 18 $\mu\text{g}/\text{L}$. TCE concentrations decreased at four of ten wells: MW-09, MW-11, MW-14S, and MW-16. TCE concentrations ranged from 17 (MW-16) to 480 $\mu\text{g}/\text{L}$ (MW-14S).

Compared to the previous quarter, TCE concentrations increased at deep wells MW-01D and MW-06D; TCE concentrations decreased at wells MW-04A and MW-15D. Deep-well TCE concentrations ranged from 3 (MW-15D) to 63 µg/L (MW-04A). In general, TCE concentrations were lower in the deeper zone than the shallow zone.

A review of the historical analytical results contained in Appendix B reveals that, with minor exceptions, TCE has historically been detected in all on-site monitoring wells, including the up gradient wells. Past discussions with Department of Health Services (now Cal EPA DTSC) and Regional Water Quality Control Board (RWQCB) staff indicate that TCE and other halogenated organic are generally recognized as regional groundwater contaminants.

Other Halogenated Organics

During the January 2004 sampling event, other halogenated organics were detected in all sampled on-site wells (Table 6-1). Halogenated organics detected other than TCE included 1,1,1-trichloroethane (TCA), 1,1-dichloroethane (DCA), 1,1-dichloroethene (DCE), 1,2-DCA, cis- and trans-1,2-DCE, chlorobenzene, carbon tetrachloride, chloroform, methylene chloride, tetrachloroethene (PCE), and vinyl chloride.

1,1-DCA was detected in eleven of the 14 wells sampled, with detected concentrations ranging from 1.4 (MW-01S) to 200 µg/L (MW-04). The MCL for 1,1-DCA is 5 µg/L. Compared with the previous quarter, concentrations of 1,1-DCA increased in six of the sampled wells.

1,2-DCA was present above reporting limits in nine of the sampled wells, with concentrations ranging from 0.68 µg/l in MW-01S to 120 µg/L in MW-04. The MCL for 1,2-DCA is 0.5 µg/L. Compared with the previous quarter, concentrations of 1,2-DCA increased in four of ten wells.

1,1-DCE was present above reporting limits in ten sampled wells, with concentrations ranging from 2.3 (MW-07) to 76 µg/L (MW-14S). The MCL for 1,1-DCE is 6 µg/L.

Detectable concentrations of cis-1,2-DCE were reported in ten of the wells sampled. Among wells with detections, concentrations ranged from 1.4 µg/L in MW-01S to 170 µg/L in MW-04. The MCL for cis-1,2-DCE is 6 µg/L.

PCE was detected in thirteen of the fourteen sampled wells, at concentrations ranging from 1.7 (MW-07) to 12µg/L (MW-06D). The MCL for PCE is 5 µg/L.

Chlorobenzene, carbon tetrachloride, chloroform, methylene chloride, and trans-1,2-DCE, 1,1,1-TCA, vinyl chloride were detected at one or two wells. Detections of these other halogenated organic compounds are assumed to be related to the TCE plume. The presence of trans-1,2-dichloroethene and vinyl chloride could be a result of anaerobic degradation of TCE.

6.2 Aromatic Volatile Organic Compounds

According to PTI personnel, with the exception of methylene chloride, organic chemicals have not historically been used on-site in any of the production processes. Two 10,000-gallon underground storage tanks (containing diesel and gasoline), however, were located in the approximate center of the facility, due east of the drum wash area. During tank removal activities in July 1989, petroleum hydrocarbon contamination was discovered in the tank excavation. The CDM RFI report indicated that petroleum hydrocarbon contamination was not detected at depths below 30 feet near the former tank locations (CDM, December 1991). Although they have not been used on-site, aromatic compounds have been historically detected in groundwater underlying the facility. The primary aromatic organic compounds of concern are toluene, ethylbenzene and total xylenes, which vary in both concentration and lateral extent. The RFI report indicated that these compounds appeared to be migrating onto the subject property from the property to the north. According to Los Angeles County Department of Public Works files, leaks from tanks containing purgeable aromatic compounds with subsequent groundwater contamination are known to have occurred at the property to the north of PTI (McLaren Hart, October 1991).

Aromatic volatile organic compound results for January 2004 are presented in Table 6-1. Concentrations of total aromatics (BTEX) for the shallow wells are illustrated on Figure 6-3. Historic sampling results indicate that purgeable aromatic contamination originated off-site from the north and has migrated onto the subject property. During previous sampling events, elevated concentrations of toluene, ethylbenzene and xylenes were detected in wells MW-03 and MW-11 along the northern perimeter of the property.

The highest total BTEX concentrations during the January 2004 sampling event were observed at MW-04. The total BTEX concentration was 223.3 µg/L. For the purposes of this calculation, non-detected parameters are counted as equal to their reporting limits.

Since approximately July 1991, elevated concentrations of these compounds have been detected in wells MW-04 and MW-14S, indicating that the plume may be migrating downgradient. Total BTEX concentrations in MW-04 began to gradually decrease in October 1998 until January 2000, at which time MW-04 had a total BTEX concentration of 11.1 µg/L. Concentrations began to increase in MW-04 between October 2000 until October 2001, when the total BTEX concentrations reached 6,500 µg/L. Concentrations have fluctuated significantly at MW-11 since January 2002. The January 2004 total BTEX concentration in well MW-11 was 31 µg/L.

Relatively high BTEX concentrations have also been detected in well MW-09 beginning in January 1992. Ethylbenzene was detected at a concentration of 440 µg/L in MW-09 in July 2001 and 8.1 µg/L in October 2001. However, BTEX compounds in well MW-09 have remained below reporting limits since January 2002.

Benzene

Benzene was detected in five of the fourteen wells sampled during January 2004. They are MW-01D, MW-03, MW-04, MW-04A, and MW-15S. Benzene detections ranged from 0.61 (MW-15S) to 5.7 µg/L (MW-04). The benzene MCL is 1 µg/L. Historical evidence indicates that benzene is not a contaminant of concern for the facility.

Toluene

During the January 2004 sampling event, toluene was not detected above the reporting limit in any of the 14 wells sampled. In general, toluene has historically occurred sporadically in most of the wells on site. Elevated toluene concentrations were detected during July 1990 to July 1991 (MW-11), July 1991 to January 1992 (MW-04), July 1992 to July 1993 (MW-09), and July 1994 to January 1995 (MW-09). Concentrations were also detected at well MW-04 during January 1993. Historically, elevated ethylbenzene and total xylenes concentrations have generally been associated with elevated toluene concentrations.

Ethylbenzene

During the January 2004 sampling round, ethylbenzene was detected at wells MW-03, MW-04, and MW-11. Ethylbenzene concentrations ranged from 24 (MW-11) to 200 µg/L (MW-04). The MCL for ethylbenzene is 700 µg/L.

Total Xylenes

During the January 2004 sampling event, total xylenes were detected at one well, MW-04, at 9.6 µg/L.

6.3 Inorganic and Miscellaneous Parameters

Table 6-2 shows the analytical results for inorganic parameters (cadmium, total and hexavalent chromium, copper, and pH) for sampling events of the past year.

Hexavalent Chromium (Cr^{+6})

During this sampling event, hexavalent chromium was analyzed using EPA Method 7199 with a typical reporting limit of 0.001 mg/L. Prior to the April 2001 sampling event, hexavalent chromium was analyzed using EPA Method 7196 with a typical reporting limit of 0.02 mg/L.

Hexavalent chromium was detected in seven of the fourteen wells sampled. Detections ranged from 0.0026 (MW-16) to 28 mg/L (MW-04). Figure 6-4 shows the concentrations of hexavalent chromium detected in the shallow wells during January 2004.

Water purged from MW-04 has typically been yellow in color since CDM began sampling the wells on a quarterly basis in January 1989. During this sampling round, the color of water from MW-04 was again noted as yellow.

Figure 6-5 shows the concentrations of hexavalent chromium and groundwater elevations in MW-04 over time. The concentrations of hexavalent chromium at MW-04 generally decreased from July 1989 (120 mg/L) to July 1993 (1.8 mg/L), while groundwater elevations increased. From July 1993 through early 2001, hexavalent chromium concentrations have fluctuated while groundwater elevations have remained fairly constant. From early 2001 through the most recent sampling event, water levels have exhibited a generally steady decline, while hexavalent chromium concentrations have remained fairly constant.

At MW-14S from October 1990 to January 1993, hexavalent chromium concentrations generally decreased, with analytical non-detections reported for the six sampling rounds before October 1994. Since October 1994, detections have been sporadic, ranging from 0.017 to 0.99 mg/L during 18 of the last 33 sampling events. Well MW-14S had a hexavalent chromium concentration of 0.44 mg/L in January 2004.

Hexavalent chromium concentrations decreased in MW-09 between October 1989 and January 1991. Between January 1992 and July 1998 hexavalent chromium concentrations were not detected, except for a trace amount detected in October 1991. Since October 1998, 14 of the 20 sampling events indicated detectable concentrations of hexavalent chromium in well MW-09. During the January 2004 sampling event, hexavalent chromium was detected in well MW-09 at a concentration of 2.8 mg/L.

Total Chromium (Cr)

Total chromium was detected above its reporting limit in four monitoring wells during the January 2004 sampling event. Chromium concentrations ranged from 0.0056 (MW-15D) to 22 mg/L (MW-04). Figure 6-6 shows the concentrations of total chromium detected in shallow monitoring wells during January 2004. Figure 6-7 shows the concentrations of total chromium and corresponding groundwater elevations in MW-04 over time. Comparison of historical total chromium data with present data (Appendix B) indicates that total chromium concentrations over time have exhibited the same general trends in well MW-04 as hexavalent chromium. Historically, the highest total chromium concentrations have been detected in MW-04. Sporadic detections of total chromium close to the detection limit have occurred historically in nearly all shallow wells on site.

Cadmium (Cd)

During the January 2004 sampling event, cadmium was detected at two monitoring wells: MW-15S (0.013 mg/L) and MW-04 (0.32 mg/L). Figure 6-8 shows the cadmium concentrations detected in the on-site wells during January 2004. Cadmium has been detected consistently only in well MW-04. Figure 6-9 shows the concentrations of cadmium and corresponding groundwater elevations in MW-04 over time. As shown on Figure 6-9, cadmium concentrations have fluctuated considerably (i.e., from non-detectable at a detection limit of 0.005 mg/L during October 1993 to 0.86 mg/L during July 1992) since July 1990.

Historically, cadmium has been detected once at 0.01 mg/L in MW-01 during July 1989. Cadmium was detected in MW-14S at concentrations ranging from 0.005 mg/L to 0.018 mg/L between October 1990 through July 1991 and at a concentration of 0.0055 mg/L during July 1995. Cadmium was also detected in MW-15S at concentrations close to the detection limit from July 1991 to January 1993. Detected concentrations in MW-15S ranged from 0.005 mg/L in July 1992 to 0.02 mg/L during October 1991.

Copper (Cu)

Copper was detected at a concentration greater than the reporting limit in two of the sampled wells: 0.03 mg/L in well MW-04A and 0.037 mg/L in well MW-14S. None of these concentrations exceed the secondary MCL of 1.3 mg/L. Figure 6-10 shows the copper concentrations detected in the on-site wells during January 2004. Historically, with the exception of well MW-14S, concentrations of copper above the secondary MCL have not been detected in on-site monitoring wells.

pH

Groundwater samples from all wells were measured for pH in the field during purging activities, and also by the analytical laboratory on the samples submitted for analysis. Field pH measurements were recorded on the field purge sheets during well purging. In January 2004, the field measurements of pH generally correlated with the values shown in Table 6-2, which range from 6.7 (MW-14S) to 7.39 (MW-01D).

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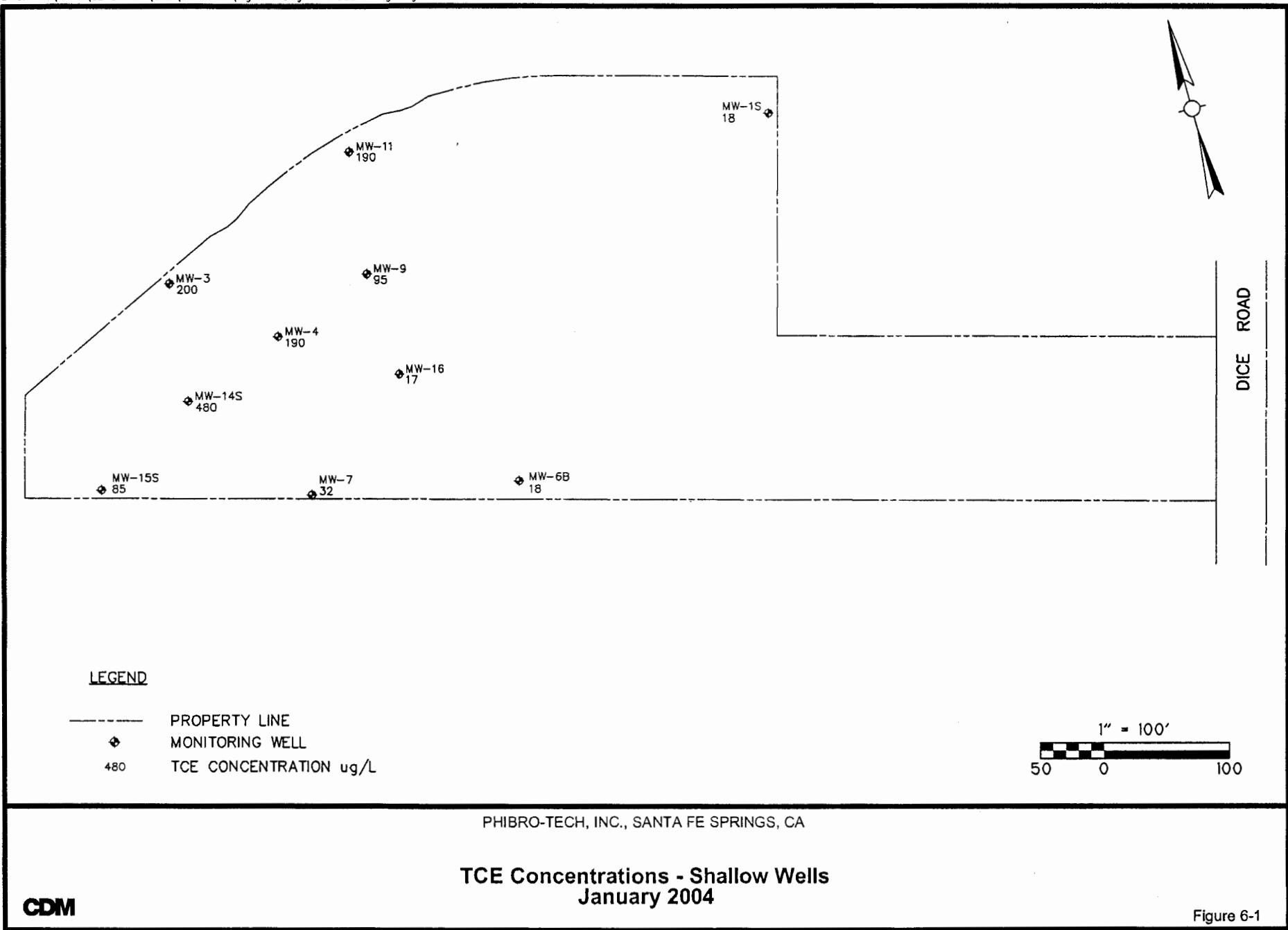
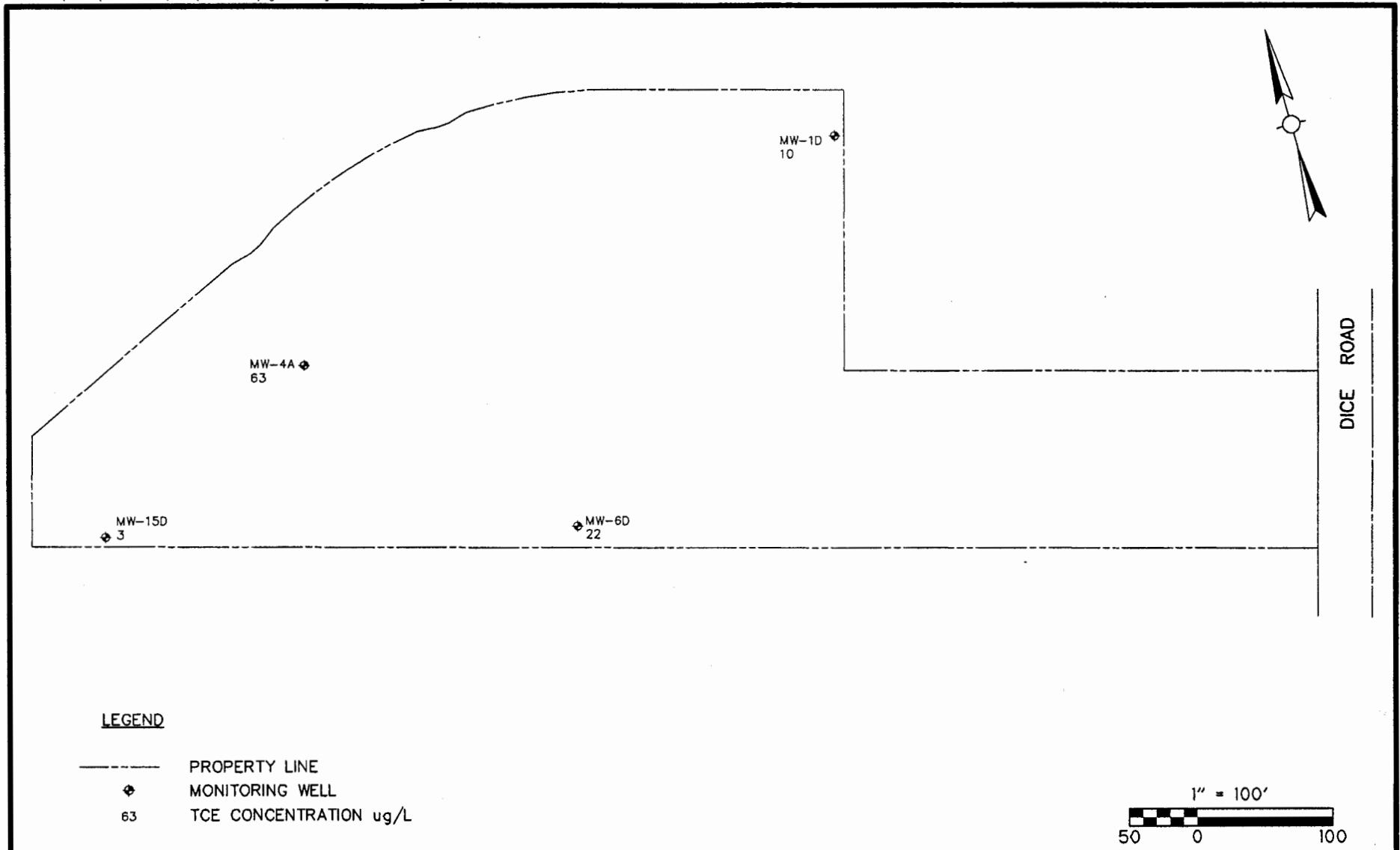


Figure 6-1

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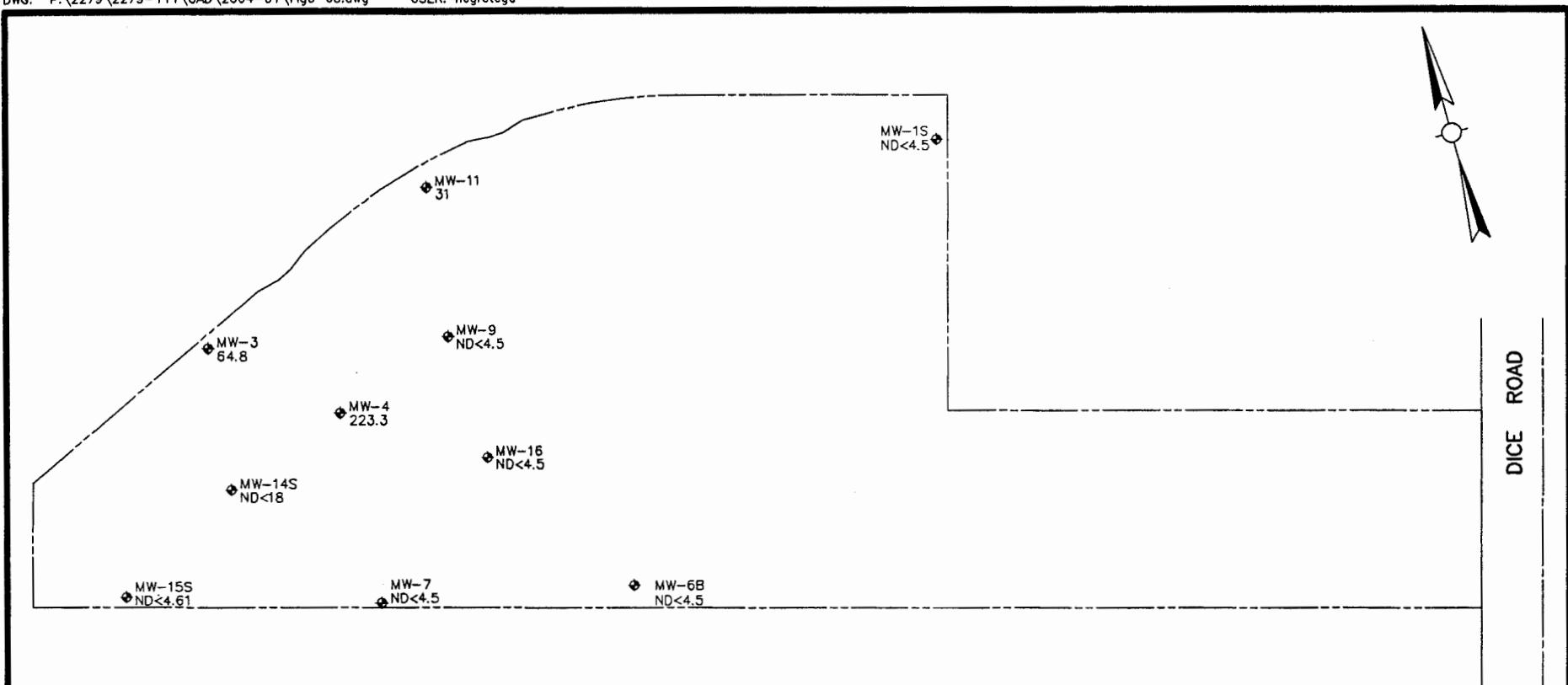
PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

TCE Concentrations - Deep Wells
January 2004

CDM

Figure 6-2

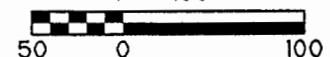
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LEGEND

- PROPERTY LINE
- MONITORING WELL
- 64.8 TOTAL BTEX CONCENTRATION (ug/L) – Non-detected parameters are counted as equal to their reporting limits
- ND NOT DETECTED
- BTEX BENZENE, TOLUENE, ETHYLBENZENE, XYLENE

1" = 100'



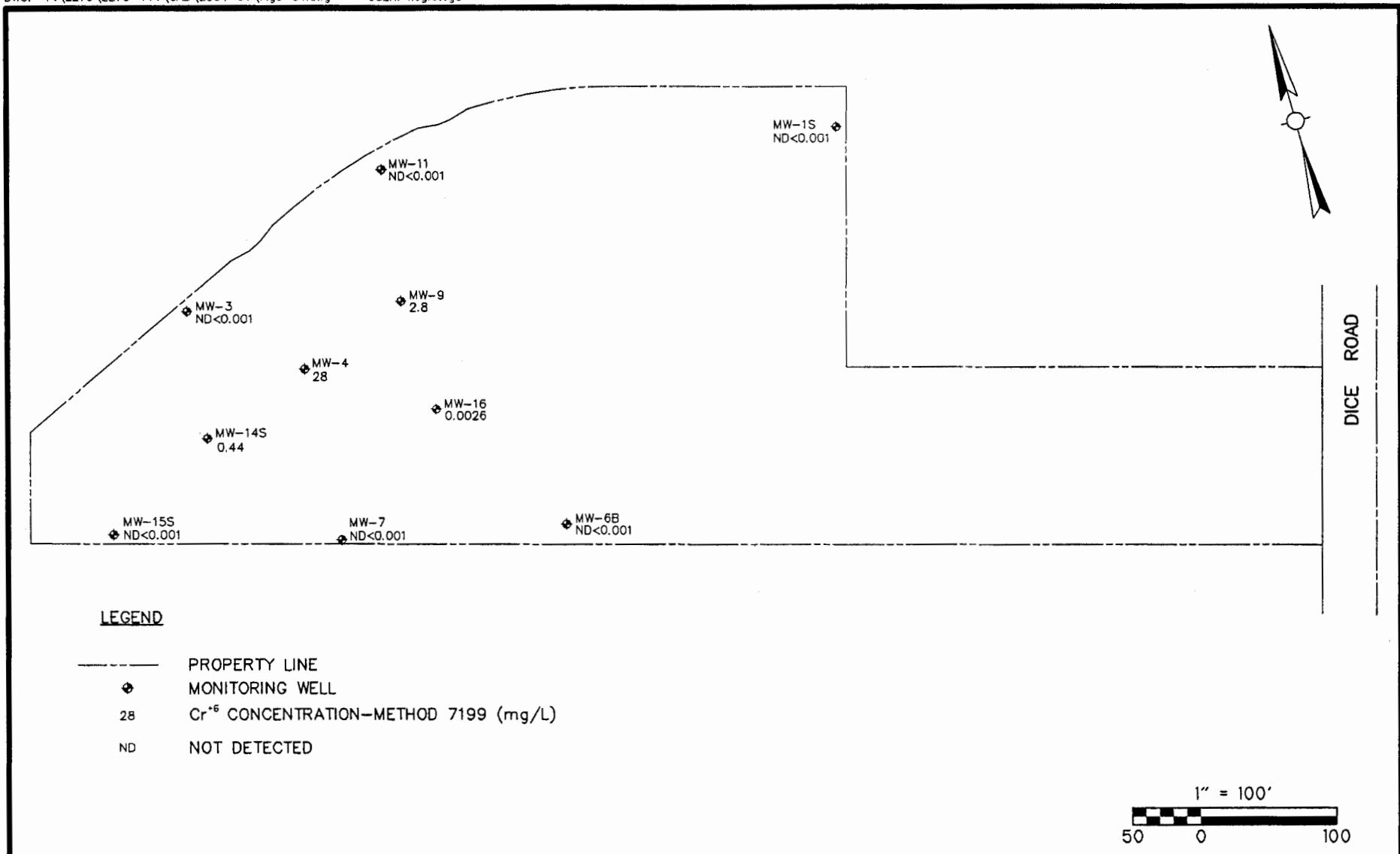
PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Total BTEX Concentrations - Shallow Wells
January 2004

CDM

Figure 6-3

DATE: Mar 23, 2004 11:03am XREFS:
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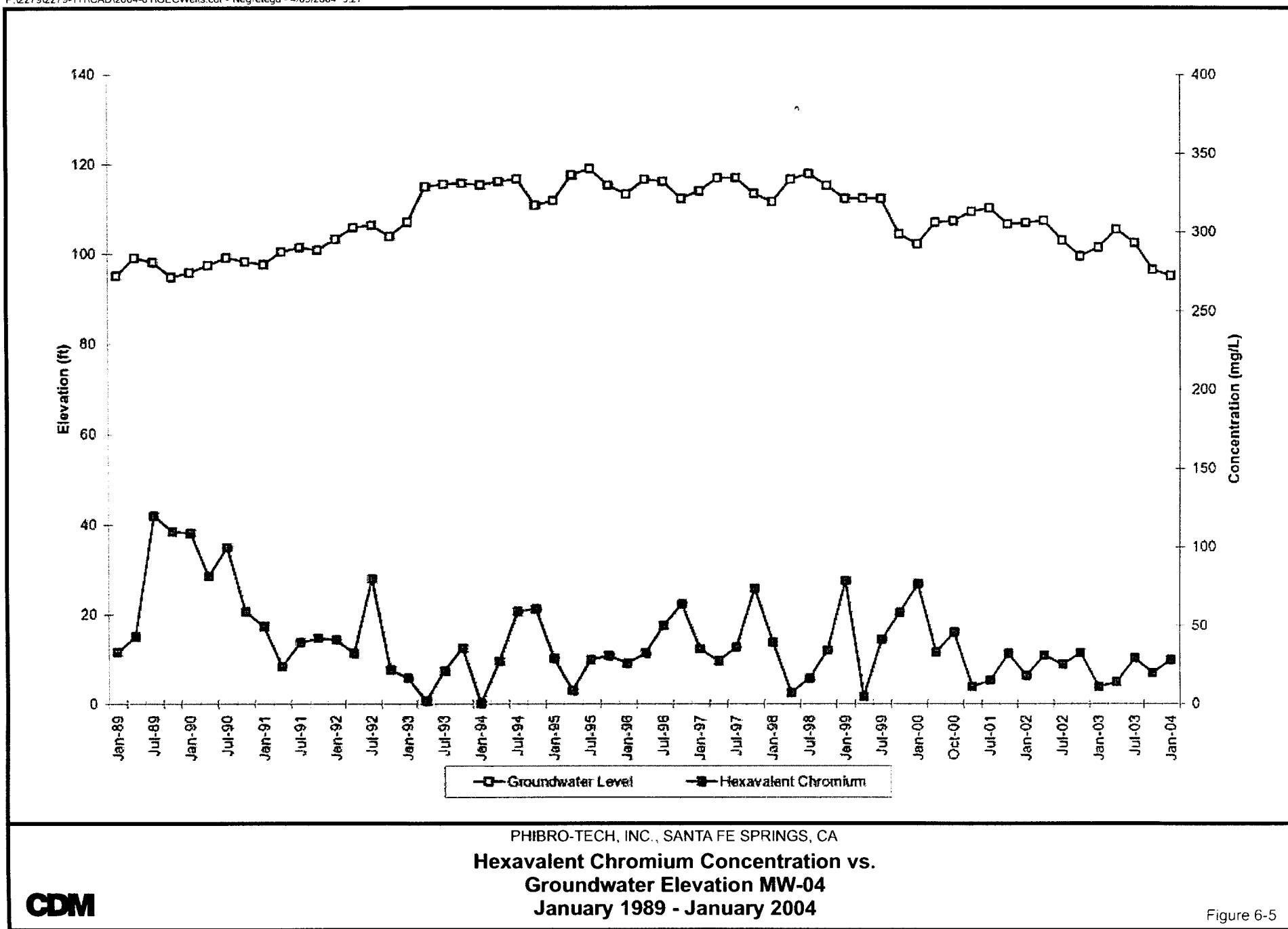


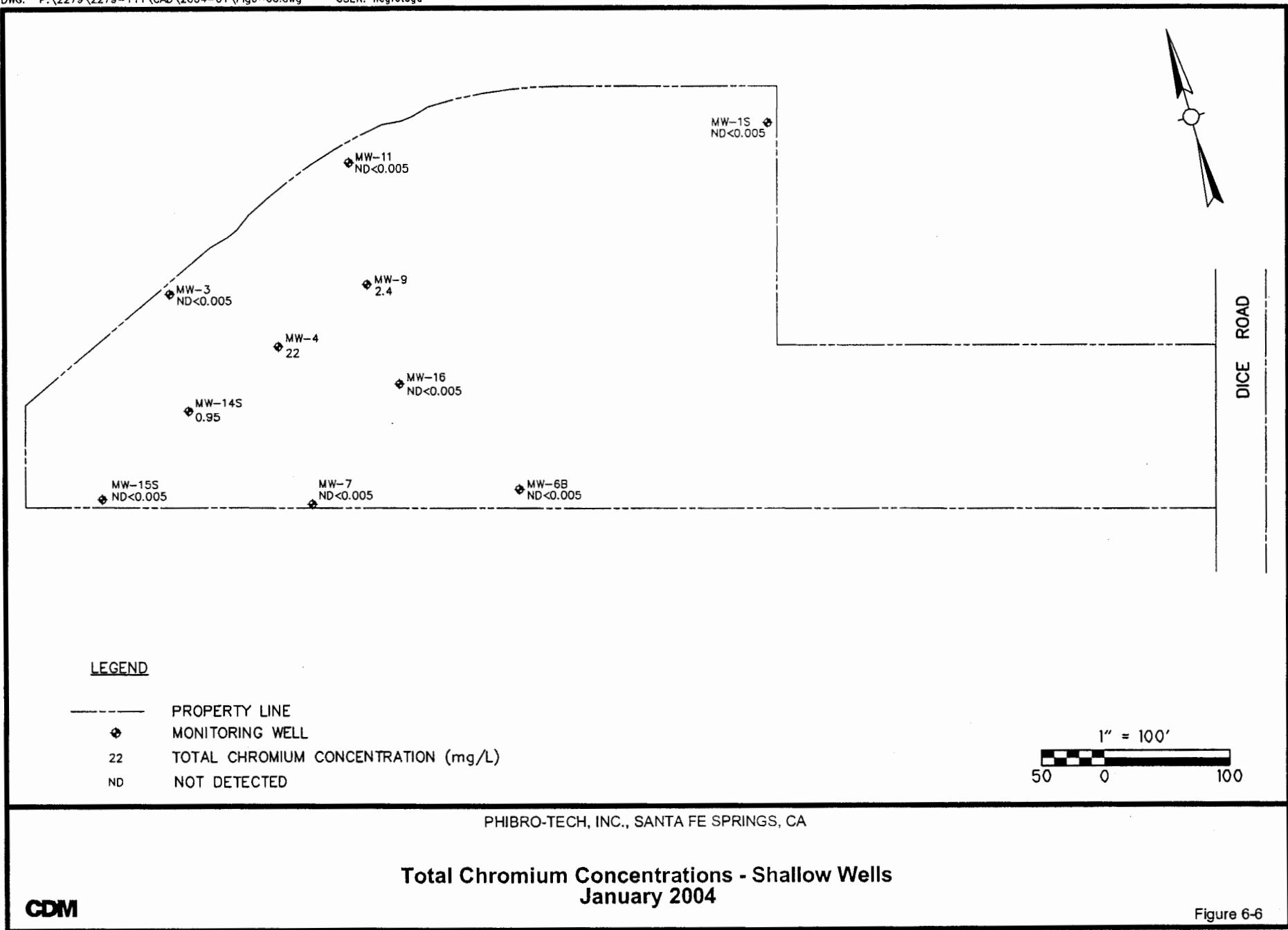
PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

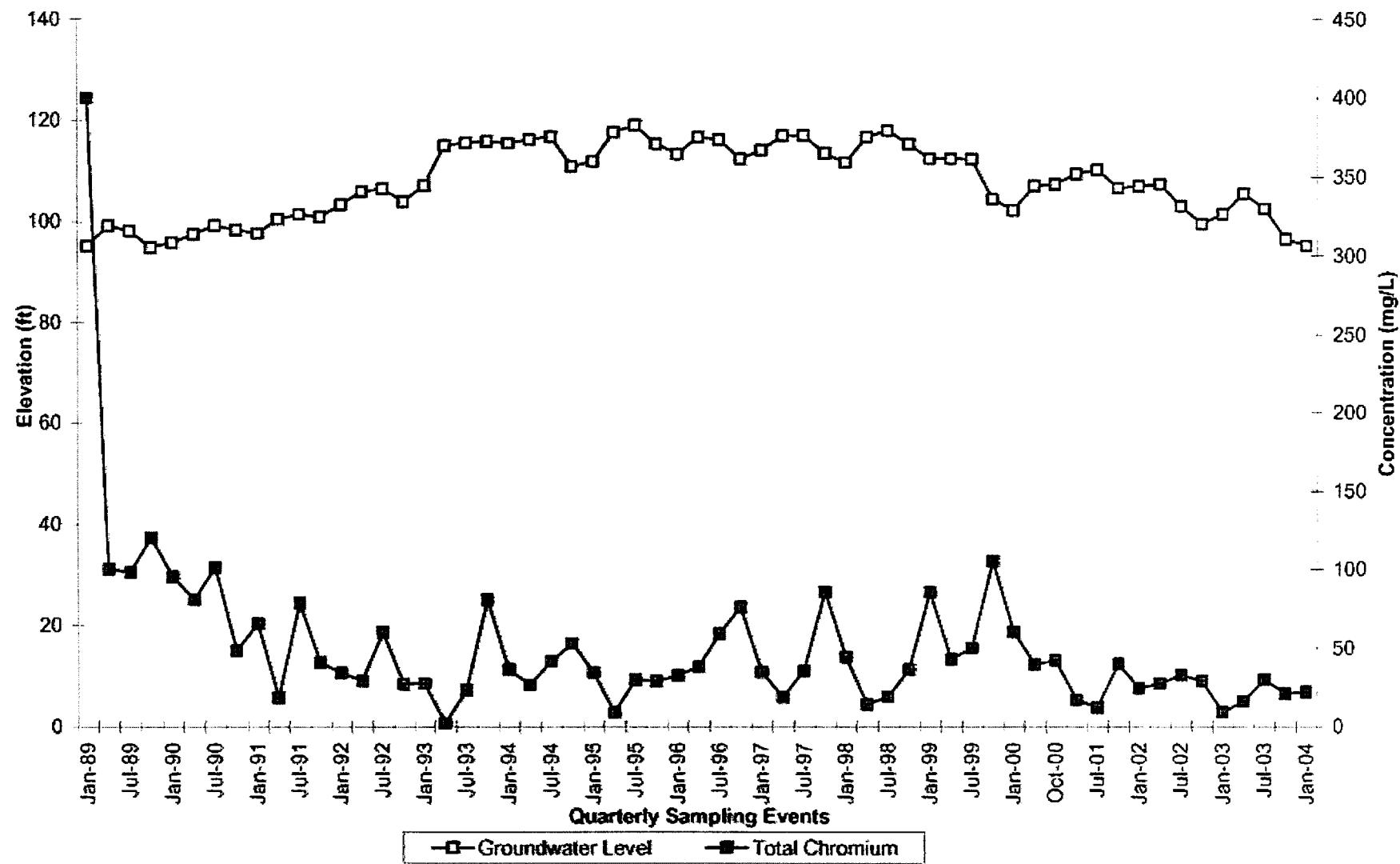
Hexavalent Chromium Concentrations - Shallow Wells
January 2004

CDM

Figure 6-4



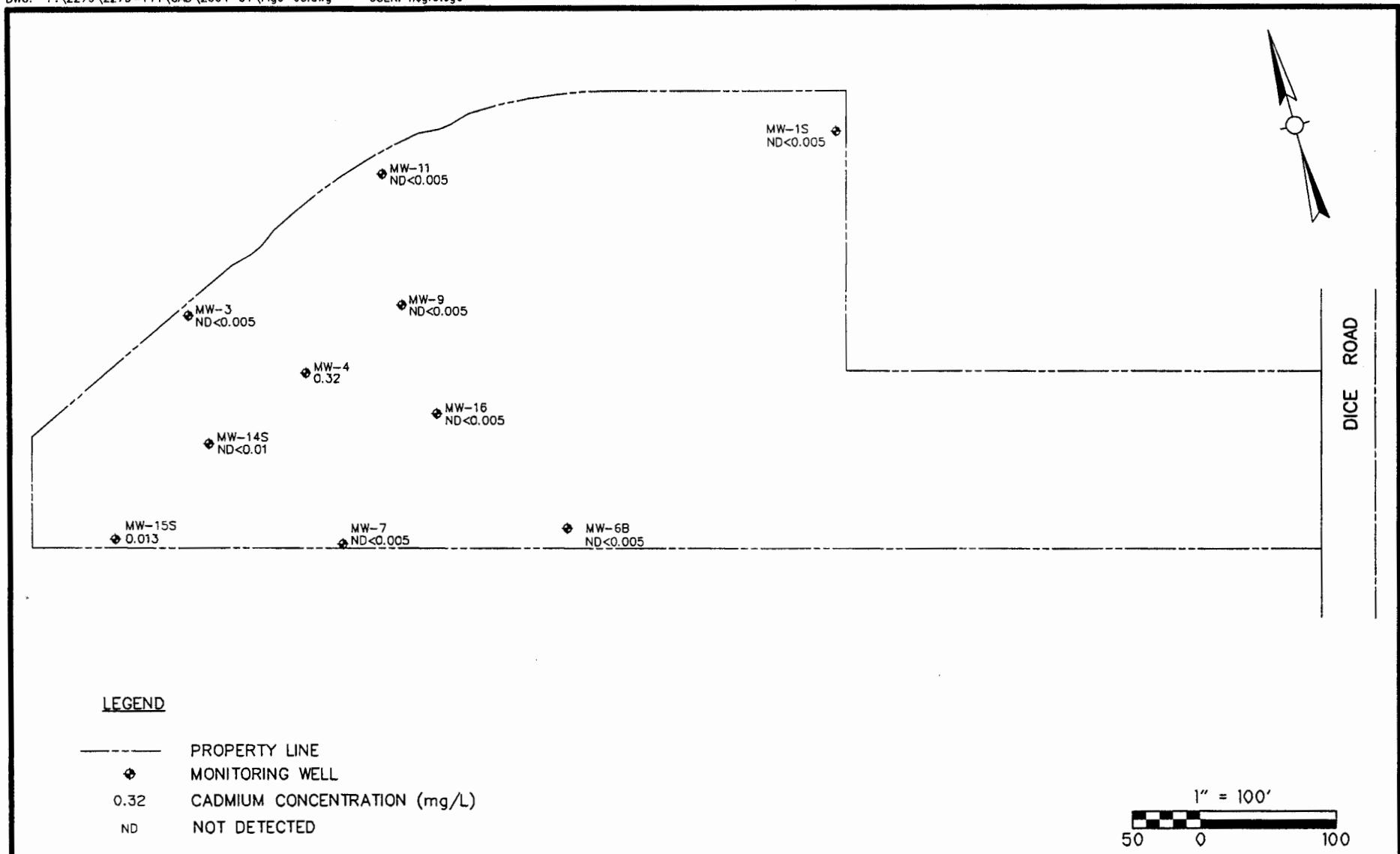




PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

**Total Chromium Concentration vs.
Groundwater Elevation MW-04
January 1989 - January 2004**

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PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Cadmium Concentrations - Shallow Wells
January 2004

CDM

Figure 6-8

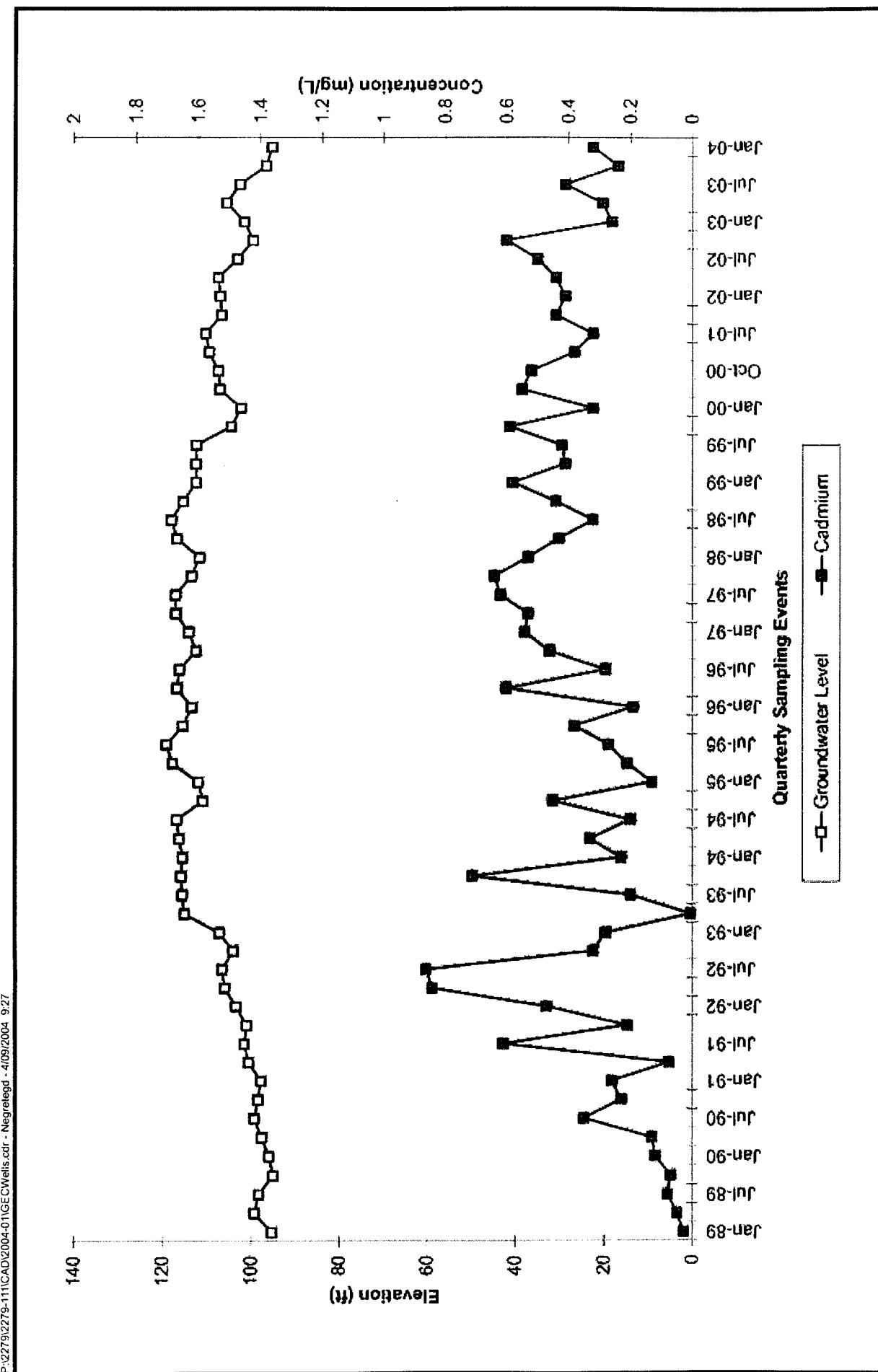


Figure 6-9

**Cadmium Concentration vs.
Groundwater Elevation MW-04
January 1989 - January 2004**

CDM

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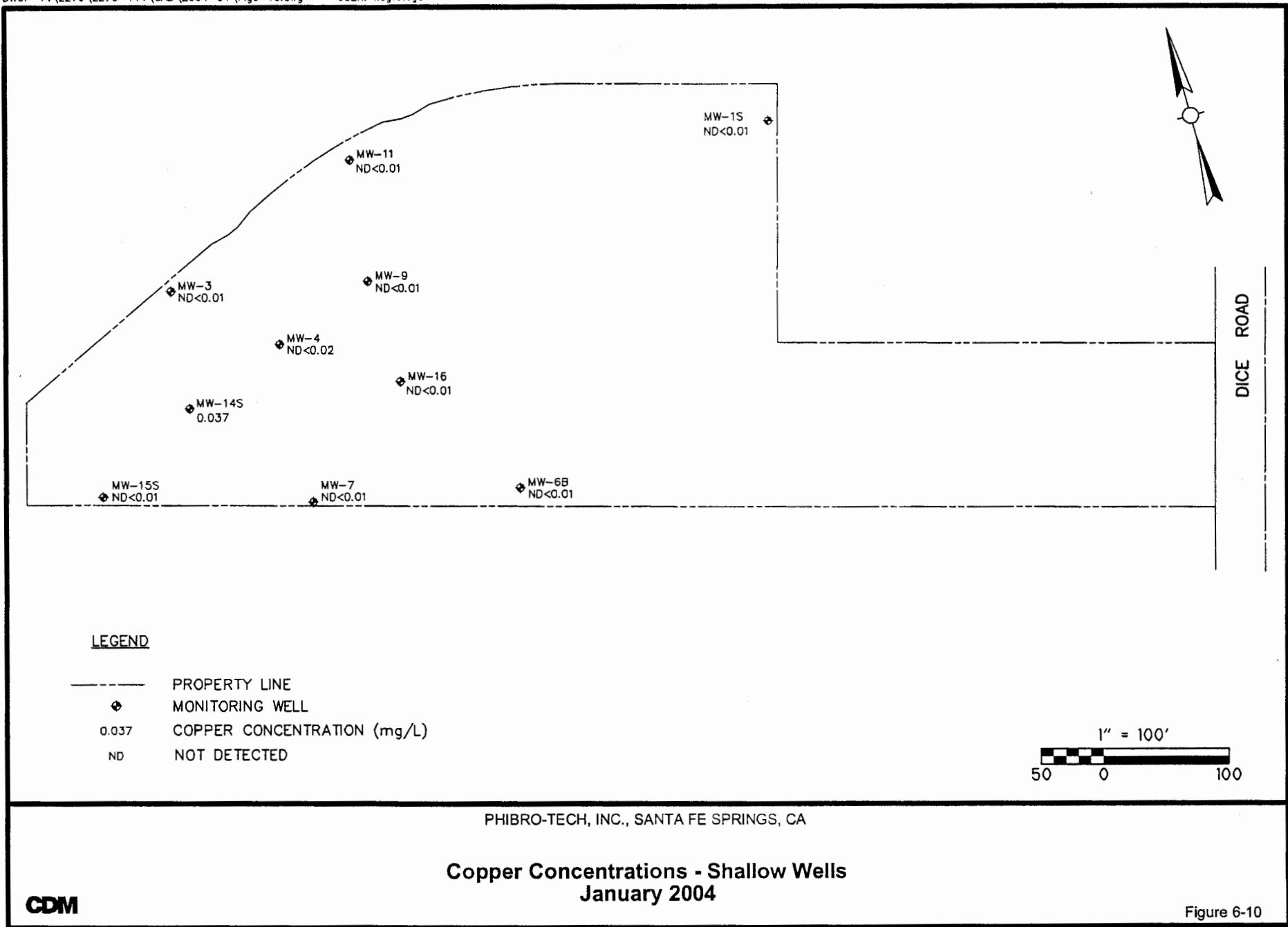


Table 6-1
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2004
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene (1)	Toluene (150)	Ethyl-benzene (700)	Xylenes, Total (1,750)	PCE (5)	1,1,1-TCA (200)	TCE (5)	1,1-DCE (6)	1,1-DCA (5)	1,2-DCA (0.5)	CCl4 (0.5)	CFM (100)	cis-1,2-DCE (6)	trans-1,2-DCE (10)	MCL (5)	VC (0.5)
MW-01D	01/08/03		0.67	1 U	1 U	2 U	2.8	1 U	2.2	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	04/23/03		0.5 U	1 U	1 U	2 U	1.8	1 U	1.9	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	07/30/03		0.98	1 U	1 U	2 U	1.6	1 U	1.6	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	10/21/03		1.2	1 U	1 U	2 U	1.4	1 U	2.4	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	01/21/04		4	1 U	1 U	2 U	5.7	1 U	10	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
MW-01S	01/08/03		0.5 U	1 U	1 U	2 U	2	1 U	11	1 U	1 U	1.3	0.5 U	1 U	2.5	1 U	5 U	0.5 U
	04/23/03		0.5 U	1 U	1 U	2 U	1 U	1 U	11	1 U	1.8	0.5 U	0.5 U	1 U	8	1 U	5 U	0.5 U
	07/29/03		0.5 U	1 U	1 U	2 U	1 U	1 U	13	1 U	1.8	0.67	0.5 U	1 U	6.5	1 U	5 U	0.5 U
	10/21/03		0.5 U	1 U	1 U	2 U	1.5	1 U	12	1 U	1 U	1.1	0.5 U	1 U	2.6	1 U	5 U	0.5 U
	01/21/04		0.5 U	1 U	1 U	2 U	5.2	1 U	18	1 U	1.4	0.68	0.5 U	1 U	1.4	1 U	5 U	0.5 U
MW-03	01/08/03		1.6	2 U	2 U	2.3	5.6	2 U	250	48	32	15	22	27	2 U	2 U	10 U	1 U
	04/23/03		1 U	2 U	2 U	4 U	8.3	2 U	190	34	34	3.8	46	47	2 U	2 U	10 U	1 U
	07/29/03		2.5 U	5 U	5 U	10 U	11	5 U	280	34	37	6	70	72	5 U	5 U	25 U	2.5 U
	10/21/03		2.5	1 U	1600	209 M2	4	1 U	110 M-HA	18	19	9	17	18	12	1 U	5 U	0.5 U
	01/21/04		1.8	1 U	60	2 U	4.1	1 U	200	33	34	76	25	24	18	1 U	5 U	0.5 U
MW-04	12/30/02		3.8	0.37 J	51	81	1.9 J	2.5 U	85	45	110	67	2.5 U	8.1	130 E	2.3 J	30	0.39 J
	K		3.8 J	0.4 J	49	78	2.1 J	5 U	99	48	120	64	5 U	9.7	140	2.8 J	36	0.34 J
	04/25/03		5.6	5 U	540	31	5 U	5 U	130	83	150	150	2.5 U	17	210	5 U	68	2.5 U
	K		5.6	5 U	500	28.4	5 U	5 U	140	83	150	160	2.5 U	18	220	5 U	75	2.5 U
	07/30/03		5.8	5 U	5 U	10 U	5 U	5 U	140	78	160	56	2.5 U	25	230	5 U	96	2.5 U
	K		7	10 U	10 U	20 U	10 U	10 U	150	80	170	59	5 U	25	250	10 U	100	5 U
	10/23/03		20 U	20 U	410	40 U	20 U	20 U	140	65	150	53	50 U	20 U	160	20 U	61	50 U
	K		8 U	8 U	390	4 U	8 U	8 U	150	73	160	55	20 U	13	180	8 U	58	20 U
	01/23/04		5.7	4 U	200	9.6	4 U	4 U	190	74	200	120	2 U	16	170	4 U	73	2 U
	K		6.3	2.5 U	210	13	3	2.5 U	200	76	190	140	1.2 U	16	150	3.4	67	1.2 U
MW-04A	01/09/03		0.5 U	1 U	1 U	2 U	2.6	1 U	42	11	40	0.5 U	0.5 U	1.8	2.8	1 U	5 U	0.5 U
	04/24/03		1.7	1 U	1 U	2 U	5.3	2.9	110	37	150	0.5 U	0.5 U	7	13	2.2	5 U	0.5 U
	07/30/03		2.2	4 U	4 U	8 U	6.8	4	150	47	230	2 U	2 U	9.2	16	4 U	20 U	2 U

Table 6-1
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Well Number	Sample Date	Sample Type	Benzene (1)	Toluene (150)	Ethyl-benzene (700)	Xylenes, Total (1,750)	PCE (5)	1,1,1-TCA (200)	TCE (5)	1,1-DCE (6)	1,1-DCA (5)	1,2-DCA (0.5)	CCl4 (0.5)	CFM (100)	cis-1,2-DCE (6)	trans-1,2-DCE (10)	MCL (5)	VC (0.5)
MW-04A	10/21/03		17	4 U	4 U	8 U	5.3	4 U	130	26	210	2 U	2 U	8.9	13	4 U	20 U	2 U
	01/22/04		3.3	2 U	2 U	4 U	2.9	2 U	63	17	99	1 U	1 U	4	7.7	2 U	10 U	1 U
MW-06B	01/09/03		0.5 U	1 U	1 U	2 U	5.9	1 U	22	2	1.5	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	04/24/03		0.5 U	1 U	1 U	2 U	1.6	1 U	15	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1.2	1 U	13	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	10/22/03		0.5 U	1 U	1 U	2 U	4.4	1 U	18	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	01/22/04		0.5 U	1 U	1 U	2 U	3.5	1 U	18	7.6	5.9	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
MW-06D	01/08/03		0.5 U	1 U	1 U	2 U	1	1 U	6.3	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	04/24/03		0.5 U	1 U	1 U	2 U	1.9	1 U	8.8	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1 U	1 U	4.1	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	10/22/03		0.5 U	1 U	1.6	2 U	1.6	1 U	7	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	01/22/04		0.5 U	1 U	1 U	2 U	12	1 U	22	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
MW-07	12/30/02	0.057 J	1 U	1 U	2 U	1	1 U	13	1.8	13	1.8	1 U	0.29 J	3	0.38 J	0.6 J	0.12 J	
	04/24/03		0.5 U	1 U	1 U	2 U	1.7	1 U	59	7.4	48	18	0.5 U	1.8	13	1.1	5 U	0.5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1.7	1 U	60	8.5	52	20	0.5 U	1.6	16	1.7	5 U	0.5 U
	10/23/03		2 U	2 U	2 U	4 U	2 U	2 U	11	5 U	5.8	3.3	5 U	2 U	2 U	2 U	5 U	5 U
	01/22/04		0.5 U	1 U	1 U	2 U	1.7	1 U	32	2.3	24	5.3	0.5 U	1 U	6.2	1 U	5 U	0.5 U
MW-09	01/09/03		2.5 U	5 U	5 U	10 U	9.6	5 U	390	100	290	100	2.5 U	150	12	5 U	160	2.5 U
	K		2.5 U	5 U	5 U	10 U	9	5 U	390	100	290	110	2.5 U	150	11	5 U	170	2.5 U
	04/25/03		2.5 U	5 U	5 U	10 U	6	5.6	240	55	180	180	2.5 U	80	12	5 U	25 U	2.5 U
	K		2.5 U	5 U	5 U	10 U	5.5	5.8	250	58	200	170	2.5 U	86	13	5 U	25 U	2.5 U
	07/31/03		5 U	10 U	10 U	20 U	10 U	10 U	480	120	370	330	5 U	160	20	10 U	84	5 U
	K		2.5 U	5 U	5 U	10 U	9	7.2	460	120	390	310	2.5 U	170	22	5 U	81	2.5 U
	10/22/03		5 U	10 U	10 U	20 U	10 U	10 U	150	38	130	140	5 U	74	10 U	10 U	190	5 U
	K		1 U	2 U	2 U	4 U	4.1	2 U	130	32	120	140	1 U	66	4.3	2 U	140	1 U
	01/23/04		0.5 U	1 U	1 U	2 U	5.6	1.4	95	27	94	26	0.5 U	38	4.9	1 U	14	0.5 U
	K		0.5 U	1 U	1 U	2 U	5.9	1.7	100	28	99	26	0.5 U	41	5.5	1 U	12	0.5 U
MW-11	12/30/02		1.4 J	20 U	31	40 U	3.4 J	20 U	550	42	110	100	20 U	15 J	22	20 U	20 U	20 U

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Well Number	Sample Date	Sample Type	Benzene (1)	Toluene (150)	Ethyl-benzene (700)	Xylenes, Total (1,750)	PCE (5)	1,1,1-TCA (200)	TCE (5)	1,1-DCE (6)	1,1-DCA (5)	1,2-DCA (0.5)	CCI4 (0.5)	CFM (100)	cis-1,2-DCE (6)	trans-1,2-DCE (10)	MCL (5)	VC (0.5)
MW-11	04/25/03		2.5 U	5 U	5 U	10 U	5 U	5 U	410	40	120	16	2.5 U	13	29	5 U	25 U	2.5 U
	07/31/03		5 U	10 U	210	94	10 U	10 U	1100	96	370	5.4	5 U	50	44	10 U	50 U	5 U
	10/23/03		20 U	20 U	710	40 U	20 U	20 U	380	50 U	56	300	50 U	20 U	46	20 U	50 U	50 U
	01/23/04		1 U	2 U	24	4 U	2.6	2 U	190	15	37	22	1 U	4.7	24	2 U	10 U	1 U
MW-14S	12/30/02		1.2 J	10 U	130	110 U	1.7 J	10 U	190	35	50	56	7.2 J	13	12	10 U	2.7 J	10 U
	04/24/03		2.6	4 U	240	15.4	4 U	4 U	160	37	47	36	6.6	12	10	4 U	20 U	2 U
	07/30/03		1.4	1 U	49	2 U	3.3	1 U	200	59	79	19	11	26	8.5	1 U	5 U	0.5 U
	10/23/03		20 U	20 U	80	40 U	20 U	20 U	490	90	110	46	50 U	37	20 U	20 U	50 U	50 U
	01/22/04		2 U	4 U	4 U	8 U	5.4	4 U	480	76	100	36	16	34	13	4 U	20 U	2 U
MW-15D	01/08/03		1.3	1 U	7.7	2.3	2.4	1 U	11	1 U	1	2	0.52	1.1	1 U	1 U	5 U	0.5 U
	04/23/03		2.3	1 U	1 U	2 U	2	1 U	7.6	1 U	1 U	1.3	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	07/30/03		1.4	1 U	1 U	2 U	4.1	1 U	8.1	1 U	1 U	0.77	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	10/21/03		1.9	1 U	1 U	2 U	2.3	1 U	5.3	1 U	1 U	0.6	0.5 U	1 U	1 U	1 U	5 U	0.5 U
	01/22/04		0.5 U	1 U	1 U	2 U	2.3	1 U	3	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U
MW-15S	01/08/03		0.53	1 U	6	2 U	1.3	1 U	22	2.9	6.3	14	0.5 U	1 U	6.9	1 U	5 U	0.5 U
	04/24/03		0.5	1 U	1 U	2 U	1 U	1 U	3.2	1 U	1 U	12	0.5 U	2	1 U	1 U	5 U	0.5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1.2	1 U	5.1	1 U	1 U	13	4.5	21	1 U	1 U	5 U	0.5 U
	10/22/03		0.5 U	1 U	1 U	2 U	2.2	1 U	21	2.4	2.7	22	2	11	1 U	1 U	5 U	0.5 U
	01/22/04		0.61	1 U	1 U	2 U	2.5	1 U	85	15	26	79	0.5 U	5.4	10	1 U	5 U	0.5 U
MW-16	01/09/03		0.5 U	1 U	1 U	2 U	1.8	1 U	20	11	75	8.1	0.5 U	1 U	14	2.7	5 U	0.59
	04/24/03		0.5 U	1 U	8.3	2 U	2.2	1 U	20	7	63	14	0.5 U	1 U	6.1	1.3	5 U	0.5 U
	07/31/03		0.51	1 U	1.5	2 U	2.3	1 U	38	19	180	25	0.5 U	1	29	6.1	5 U	0.69
	10/22/03		0.5 U	1 U	1 U	2 U	1.5	1 U	22	11	100	10	0.5 U	1 U	25	4.2	5 U	0.67
	01/23/04		0.5 U	1 U	1 U	2 U	1.8	1 U	17	7.1	63	8.1	0.5 U	1 U	15	3.2	5 U	0.58

Table 6-1
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2004
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene (1)	Toluene (150)	Ethyl-benzene (700)	Xylenes, Total (1,750)	PCE (5)	1,1,1-TCA (200)	TCE (5)	1,1-DCE (6)	1,1-DCA (5)	1,2-DCA (0.5)	CCl4 (0.5)	CFM (100)	cis-1,2-DCE (6)	trans-1,2-DCE (10)	MCL (5)	VC (0.5)
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Notes:

PCE = Tetrachloroethene; TCE = Trichloroethene; TCA = Trichloroethane; DCE = Dichloroethene; DCA = Dichloroethane; CFM = Chloroform; MCL = Methylene chloride; CCl4 = Carbon tetrachloride; VC = Vinyl Chloride

California Maximum Contaminant Levels (MCLs) are shown in parenthesis. MCL shown for chloroform is the sum of trihalomethane isomers

Samples analyzed by EPA Method 8260.

All concentrations are reported in micrograms per liter (ug/L).

Only compounds detected in one or more samples are listed.

E = Indicates that the reported concentration is above the calibration range for the instrument. Concentration reported is an estimate only.

J = Indicates detected concentration is below analytical calibration curve, and is below the official reporting limit. Concentration reported is an estimate only.

M-HA = Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.

M2 = The MS and/or MSD were below acceptance limits due to sample matrix interference.

U = Not detected at a concentration greater than the reporting limit shown.

Sample Type:

K = Split sample

Table 6-2
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2004
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Cadmium (0.005)	Chromium (0.05)	Cr (+6)	Copper (1.3)
MW-01D	01/08/03		7.29	0.005 U	0.0015 J	0.001 U	0.022
	04/23/03		7.14	0.005 U	0.005 U	0.001 U	0.01 U
	07/30/03		7.55	0.005 U	0.024	0.001 U	0.013
	10/21/03		7.44	0.005 U	0.005 U	0.001 U	0.021
	01/21/04		7.39	0.005 U	0.005 U	0.001 U	0.01 U
MW-01S	01/08/03		6.78	0.005 U	0.0024 J	0.001 U	0.01 U
	04/23/03		6.86	0.01 RL-3,U	0.01 RL-3,U	0.001 U	0.02 RL-3,U
	07/29/03		6.76	0.01 RL-3,U	0.01 RL-3,U	0.001 U	0.03 RL-3
	10/21/03		6.94	0.005 U	0.005 U	0.001 U	0.01 U
	01/21/04		6.91	0.005 U	0.005 U	0.001 U	0.01 U
MW-03	01/08/03		6.98	0.005 U	0.005 U	0.001 U	0.01
	04/23/03		7.08	0.005 U	0.005 U	0.001 U	0.01 U
	07/29/03		7.09	0.005 U	0.005 U	0.001 U	0.01 U
	10/21/03		7.3	0.005 U	0.005 U	0.001 U	0.01 U
	01/21/04		7.12	0.005 U	0.005 U	0.001 U	0.01 U
MW-04	12/30/02		7.39	0.26	9.2	11	0.02 RL-3,U
		K	6.71	0.25	9.4	9.4	0.02 RL-3,U
	04/25/03		6.92	0.29	16	14	0.02 RL-3,U
		K	6.99	0.29	16	20	0.02 RL-3,U
	07/30/03		6.88	0.41	30	29	0.03 RL-1,U
		K	6.83	0.47	37	33	0.05 RL-1,U
	10/23/03		6.85	0.24	21	20	0.02 RL-1,U
		K	6.74	0.21	18	21	0.02 RL-3,U
	01/23/04		6.71	0.32	22	28	0.02 RL-1,U
		K	6.78	0.27	16	29	0.02 RL-1,U
MW-04A	01/09/03		7.29	0.005 U	0.0089	0.0058	0.023
	04/24/03		7.17	0.005 U	0.0077	0.0055	0.035
	07/30/03		6.92	0.005 U	0.005 U	0.0029	0.024
	10/21/03		7.02	0.005 U	0.005 U	0.001 U	0.025
	01/22/04		7.3	0.005 U	0.005 U	0.0027	0.03
MW-06B	01/09/03		7.18	0.005 U	0.0097	0.0068	0.01 U
	04/24/03		7.43	0.005 U	0.0078	0.0073	0.01 U
	07/30/03		7.73	0.005 U	0.005 U	0.0043 O-09	0.01
	10/22/03		7.63	0.005 U	0.005 U	0.001 U	0.01 U
	01/22/04		7.17	0.005 U	0.005 U	0.001 U	0.01 U
MW-06D	01/08/03		7.41	0.005 U	0.002 J	0.0018	0.012
	04/24/03		7.23	0.005 U	0.005 U	0.0021	0.01 U
	07/30/03		7.28	0.005 U	0.005 U	0.0023 O-09	0.014
	10/22/03		7.84	0.005 U	0.005 U	0.002	0.014

Table 6-2
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2004
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Cadmium (0.005)	Chromium (0.05)	Cr (+6)	Copper (1.3)
MW-06D	01/22/04		7.35	0.005 U	0.005 U	0.003	0.01 U
MW-07	12/30/02		7.45	0.005 U	0.005 U	0.001 U	0.01 U
	04/24/03		6.97	0.005 U	0.005 U	0.001 U	0.032
	07/30/03		6.75	0.005 U	0.005 U	0.00038 O-09	0.01 U
	10/23/03		7.31	0.005 U	0.005 U	0.001 U	0.01 U
	01/22/04		6.88	0.005 U	0.005 U	0.001 U	0.01 U
MW-09	01/09/03		6.63	0.005 U	9.6	9.5	0.01 U
		K	6.65	0.005 U	9.7	9.5	0.01 U
	04/25/03		7.24	0.005 U	0.27	0.25	0.01 U
		K	6.83	0.005 U	0.28	0.26	0.01 U
	07/31/03		6.69	0.005 U	2.2	2.1	0.01 U
		K	6.66	0.005 U	2.2	2.2	0.01 U
	10/22/03		7.23	0.01 RL-1,U	13	13	0.02 RL-1,U
		K	7.26	0.01 RL-1,U	13	13	0.02 RL-1,U
	01/23/04		6.84	0.005 U	2.4	2.8	0.01 U
		K	6.85	0.005 U	2.4	2.7	0.01 U
MW-11	12/30/02		7.03	0.005 U	0.005 U	0.001 U	0.01 U
	04/25/03		7.29	0.005 U	0.005 U	0.001 U	0.01 U
	07/31/03		6.73	0.005 U	0.005 U	0.0012	0.01 U
	10/23/03		7.23	0.005 U	0.005 U	0.001 U	0.01 U
	01/23/04		7.21	0.005 U	0.005 U	0.001 U	0.01 U
MW-14S	12/30/02		7.09	0.005 U	0.014	0.0042	0.042
	04/24/03		7.24	0.005 U	0.02	0.001 U	0.029
	07/30/03		6.86	0.0066	0.15	0.12	0.052
	10/23/03		6.71	0.005 U	0.33	0.99	0.03
	01/22/04		6.7	0.01 RL-3,U	0.95	0.44	0.037
MW-15D	01/08/03		7.52	0.005 U	0.0031 J	0.001 U	0.017
	04/23/03		7.48	0.005 U	0.005 U	0.001 U	0.01 U
	07/30/03		7.26	0.005 U	0.005 U	0.0003 O-09,U	0.01 U
	10/21/03		7.72	0.005 U	0.005 U	0.001 U	0.01 U
	01/22/04		7.2	0.005 U	0.0056	0.0064	0.01 U
MW-15S	01/08/03		7.22	0.0053	0.0042 J	0.0042	0.01 U
	04/24/03		7.19	0.005 U	0.0064	0.0059	0.01 U
	07/30/03		7.02	0.005 U	0.005 U	0.0022 O-09	0.01 U
	10/22/03		7.7	0.0057	0.005 U	0.001 U	0.01 U
	01/22/04		7.06	0.013	0.005 U	0.001 U	0.01 U
MW-16	01/09/03		6.84	0.005 U	0.0057	0.0043	0.01
	04/24/03		7.12	0.005 U	0.0051	0.0041	0.01 U
	07/31/03		6.82	0.005 U	0.005 U	0.004	0.01 U

Table 6-2
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2004
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Cadmium (0.005)	Chromium (0.05)	Cr (+6)	Copper (1.3)
MW-16	10/22/03		7.34	0.005 U	0.005 U	0.001 U	0.01 U
	01/23/04		6.98	0.005 U	0.005 U	0.0026	0.01 U

Notes:

California Maximum Contaminant Levels (MCLs) are shown in parenthesis. Secondary MCL is shown for copper.

All concentrations are reported in milligrams per liter (mg/L).

Metals analyzed by EPA Method 6010B, except for Cr (+6), which was analyzed by EPA Method 7199.

pH analyzed by EPA Method 9040B.

U = Not detected at a concentration greater than the reporting limit shown

E = Indicates that the reported concentration is above the calibration range for the instrument. Concentration reported is an estimate only.

J = Indicates detected concentration is below analytical calibration curve, and is below the official reporting limit. Concentration reported is an estimate only.

RL-1 = Reporting Limit elevated due to matrix interference.

RL-3 = Reporting Limit elevated due to interference from other analytes.

O-09 = This sample was received with the EPA recommended holding time expired.

Analyte not analyzed or not reported if left blank.

Sample Type:

K = Split sample

Section 7

Statistical Evaluation

The following sections contain a statistical evaluation of the analytical results designed to determine if on-site wells have been impacted by metals, BTEX compounds (benzene, toluene, ethylbenzene, xylenes) or TCE (trichloroethene). The statistical evaluation was performed using the Compliance and Remediation Statistics (CARStat) software. A detailed explanation of the software and statistical methods used is presented in Gibbons (1994). The statistical methods used are in compliance with applicable California Code of Regulations (Title 22, Division 4.5, Chapter 14, Article 6, Section 66264.97 [General Water Quality Monitoring and System Requirements]).

7.1 Determination of Background Prediction Interval Overview

The prediction interval is a method that is typically used in compliance monitoring to compare on-site or downgradient monitoring well analytical data to upgradient or background monitoring well data. The prediction interval represents the range for which the next measurement will be contained at a specified confidence level. For instance, an upper prediction limit (UPL) with 95 percent coverage and a 95 percent confidence level represents a value which, with 95 percent confidence, any new measurement in the background well will be exceeded less than 5 percent of the time.

For this evaluation, CDM has calculated UPLs for the background well (MW-1S) and compared this value to each individual on-site analytical result using a confidence level and coverage of 95 percent. When on-site wells exceed the background UPL consistently, it suggests that a significant difference from background may exist.

Results

The statistical evaluation results are presented in Appendix F. Appendix F-1 includes all of the tabular data output from the CARStat evaluation. Table 1 lists the background data from monitoring well MW-1S that were used to calculate the UPLs. Table 2 lists the current on-site data (from the January 2004 monitoring event). The frequencies of detection for each parameter in the background well and onsite wells is provided in Table 3. Table 4 lists the background well distribution results, based on the Shapiro-Wilk test for normality. In all cases except for TCE, the low detection frequencies required the use of the nonparametric prediction limit (a normal prediction limit was used for TCE). Table 5 presents background well summary statistics, including the prediction limit and associated confidence level. A UPL calculation sheet for each compound is presented in Appendix F-2.

7.2 Comparison of Background and On-site Wells Overview

The on-site monitoring well data were compared to the UPL for each compound. All historical and current on-site analytical data are compared to the background UPL in verification resampling mode. Verification resampling means that the test fails if a compound in on-site monitoring wells exceeds background if it is higher than the UPL for 2 consecutive monitoring events. Constituent-location combinations that failed the current statistical evaluation or need to be verified are highlighted by the statistical program.

Results

The results of the UPL tests are included in Appendixes F-1 through F-3. Appendix F-1 lists the constituent-location combinations that failed the current evaluation. Appendix F-3 shows concentration versus time charts for each constituent and on-site well location. All data are shown on the concentration versus time charts and the exceedances are flagged on the individual charts.

A summary of the statistical evaluation is presented in Table 7-1. Exceedances were observed for MW-1D (benzene), MW-3 (benzene, ethylbenzene, and TCE), MW-4 (benzene, hexavalent chromium, total chromium, cadmium, ethylbenzene, total xylenes, and TCE), MW-4A (benzene and TCE), MW-7 (TCE), MW-9 (hexavalent chromium, total chromium, and TCE), MW-11 (ethylbenzene, total xylenes, and TCE), MW-14S (hexavalent chromium, total chromium, and TCE), and MW-15S (benzene and TCE). These results are very similar to those presented in previous monitoring reports. However, only those compounds actually detected above the prediction limits were identified as an exceedance. The compounds with detection limits (for non-detects) that were higher than the background UPL were not flagged as an exceedance.

Table 7-1
 Phibro-Tech, Inc.
 Comparison of Background and On-Site Wells Quarterly Data
 January 1989 to January 2004

Parameter	MW-1D	MW-3	MW-4	MW-4A	MW-6B	MW-7	MW-9	MW-11	MW-14S	MW-15S	MW-15D	MW-16
Metals (mg/L)												
Hexavalent chromium ¹			*				*		*			
Total chromium ¹			*				*		*			
Cadmium ¹			*									
Copper ¹												
Aromatics (µg/L)												
Benzene ¹	*	*	*	*	*				*			
Toluene ¹												
Ethylbenzene ¹		*	*	*				*				
Total xylenes ¹			*									
Halocarbons (µg/L)												
Trichloroethene ²		*	*	*	*		*	*	*	*	*	
1 Background to onsite using nonparametric prediction limit												
2 Background to onsite comparison using the normal prediction limit												
* Significantly increased over background												
No exceedance observed												

Section 8

Assessment of Quarterly Groundwater Monitoring Program Status

In the October 1990 groundwater monitoring report, changes in the quarterly groundwater-sampling program were proposed. These changes were first implemented during the April 1991 sampling event and included reducing the number of wells sampled and parameters analyzed in each well. The current groundwater-sampling program will only be used as an interim program, until the Site Conceptual Model has been completed and the draft sampling and analysis plan finalized. Based on approximately 18 years of quarterly monitoring at the site, off-site migration of the soluble metals plume has not been observed.

Beginning with the January 1997 sampling event, EPA Method 8010/8020 was replaced with EPA Method 8260. This change was requested by the analytical laboratory, which no longer performs 8010/8020 analysis. Methyl tertiary butyl ether (MTBE) analysis was performed once, in January 1997. Since there were no detections of MTBE in any of the groundwater samples, this analysis was discontinued. Starting with the October 2000 sampling event, the analytical method for hexavalent chromium was changed from EPA Method 7196 to 7199. DTSC requested that six selected wells be analyzed for 1,4-Dioxane in July 2001 and October 2001. After these two events, 1,4-Dioxane analysis was discontinued. In late 2002, DTSC requested that PTI perform Appendix IX sampling and analysis on an annual basis from selected wells. PTI subsequently sampled the four proposed Pond 1 monitoring wells (MW-04, MW-07, MW-11, and MW-14S) for the Appendix IX analytical suite on December 30, 2002. Appendix IX results were presented in the October 2002 Quarterly Sampling Report and 2002 Annual Groundwater Monitoring Report submitted February 28, 2003. Appendix IX sampling and analysis was also performed during the October 2003 sampling event, with the results discussed in Appendix G of this document.

Statistical analysis was historically conducted annually. Beginning with the October 1993 sampling event, statistical analysis has been performed on a quarterly basis, as requested by DTSC.

During 2000, three sampling events were performed (January, April and October). Sampling and reporting frequency was changed from quarterly to semi-annual after the April 2000 sampling event. However, quarterly groundwater monitoring resumed in April 2001 at the request of DTSC.

The analytical parameters for the January 2004 quarterly monitoring were as follows:

Wells	Volatile Organic Compounds (EPA 8260B)	Chromium, Cadmium, Copper (EPA 6010B)	Hexavalent Chromium (EPA 7199)	pH (EPA 150.1)
MW-01S	X	X	X	X
MW-01D	X	X	X	X
MW-03	X	X	X	X
MW-04	X	X	X	X
MW-04A	X	X	X	X
MW-06B	X	X	X	X
MW-06D	X	X	X	X
MW-07	X	X	X	X
MW-09	X	X	X	X
MW-11	X	X	X	X
MW-14S	X	X	X	X
MW-15S	X	X	X	X
MW-15D	X	X	X	X
MW-16	X	X	X	X

The next quarterly event will occur in April 2004. During the next event, 14 on-site wells will be sampled and analyzed for volatile organics using EPA Method 8260, chromium, cadmium, copper, hexavalent chromium, and pH. The water levels of all wells except MW-02 will also be measured.

Section 9 References

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Appendix A

General Analytical Detection Limits

CDM

Table A-1
Phibro-Tech, Inc.
Metals Typical Detection Limits

Analytical Method	Analytical Parameter	Reporting Limit	Units
EPA 6010B-Diss	CADMIUM	0.005	mg/l
EPA 6010B-Diss	CHROMIUM	0.005	mg/l
EPA 7199	CHROMIUM (VI)	0.001	mg/l
EPA 6010B-Diss	COPPER	0.01	mg/l

Table A-2
Phibro-Tech, Inc.
Volatile Organic Compounds
Typical Detection Limits

Analytical Method	Analytical Parameter	Reporting Limit	Units
EPA 8260B	1,1,1,2-TETRACHLOROETHANE	1	ug/l
EPA 8260B	1,1,1-TRICHLOROETHANE	1	ug/l
EPA 8260B	1,1,2,2-TETRACHLOROETHANE	1	ug/l
EPA 8260B	1,1,2-TRICHLOROETHANE	1	ug/l
EPA 8260B	1,1-DICHLOROETHANE	1	ug/l
EPA 8260B	1,1-DICHLOROETHENE	1	ug/l
EPA 8260B	1,1-DICHLOROPROPENE	1	ug/l
EPA 8260B	1,2,3-TRICHLOROBENZENE	1	ug/l
EPA 8260B	1,2,3-TRICHLOROPROPANE	1	ug/l
EPA 8260B	1,2,4-TRICHLOROBENZENE	1	ug/l
EPA 8260B	1,2,4-TRIMETHYLBENZENE	1	ug/l
EPA 8260B	1,2-DIBROMO-3-CHLOROPROPANE	5	ug/l
EPA 8260B	1,2-DIBROMOETHANE	1	ug/l
EPA 8260B	1,2-DICHLOROBENZENE	1	ug/l
EPA 8260B	1,2-DICHLOROETHANE	0.5	ug/l
EPA 8260B	1,2-DICHLOROPROPANE	1	ug/l
EPA 8260B	1,3,5-TRIMETHYLBENZENE	1	ug/l
EPA 8260B	1,3-DICHLOROBENZENE	1	ug/l
EPA 8260B	1,3-DICHLOROPROPANE	1	ug/l
EPA 8260B	1,4-DICHLOROBENZENE	1	ug/l
EPA 8260B	2,2-DICHLOROPROPANE	1	ug/l
EPA 8260B	2-CHLOROTOLUENE	1	ug/l
EPA 8260B	4-CHLOROTOLUENE	1	ug/l
EPA 8260B	BENZENE	0.5	ug/l
EPA 8260B	BROMOBENZENE	1	ug/l
EPA 8260B	BROMOCHLOROMETHANE	1	ug/l
EPA 8260B	BROMODICHLOROMETHANE	1	ug/l
EPA 8260B	BROMOFORM	1	ug/l
EPA 8260B	BROMOMETHANE	1	ug/l
EPA 8260B	CARBON TETRACHLORIDE	0.5	ug/l
EPA 8260B	CHLOROBENZENE	1	ug/l
EPA 8260B	CHLORODIBROMOMETHANE	1	ug/l
EPA 8260B	CHLOROETHANE	1	ug/l
EPA 8260B	CHLOROFORM	1	ug/l
EPA 8260B	CHLOROMETHANE	1	ug/l
EPA 8260B	CIS-1,2-DICHLOROETHENE	1	ug/l
EPA 8260B	CIS-1,3-DICHLOROPROPENE	0.5	ug/l
EPA 8260B	DIBROMOMETHANE	1	ug/l
EPA 8260B	DICHLORODIFLUOROMETHANE	5	ug/l

Table A-2
Phibro-Tech, Inc.
Volatile Organic Compounds
Typical Detection Limits

Analytical Method	Analytical Parameter	Reporting Limit	Units
EPA 8260B	ETHYLBENZENE	1	ug/l
EPA 8260B	HEXACHLOROBUTADIENE	1	ug/l
EPA 8260B	ISOPROPYLBENZENE	1	ug/l
EPA 8260B	M,P-XYLENE	1	ug/l
EPA 8260B	METHYLENE CHLORIDE	5	ug/l
EPA 8260B	NAPHTHALENE	1	ug/l
EPA 8260B	N-BUTYLBENZENE	1	ug/l
EPA 8260B	N-PROPYLBENZENE	1	ug/l
EPA 8260B	O-XYLENE	1	ug/l
EPA 8260B	P-ISOPROPYLtolUENE	1	ug/l
EPA 8260B	SEC-BUTYLBENZENE	1	ug/l
EPA 8260B	STYRENE	1	ug/l
EPA 8260B	TERT-BUTYLBENZENE	1	ug/l
EPA 8260B	TETRACHLOROETHENE	1	ug/l
EPA 8260B	TOLUENE	1	ug/l
EPA 8260B	TOTAL XYLENES	2	ug/l
EPA 8260B	TRANS-1,2-DICHLOROETHENE	1	ug/l
EPA 8260B	TRANS-1,3-DICHLOROPROPENE	0.5	ug/l
EPA 8260B	TRICHLOROETHENE	1	ug/l
EPA 8260B	TRICHLOROFUOROMETHANE	1	ug/l
EPA 8260B	VINYL CHLORIDE	0.5	ug/l

Appendix B

Historical Sampling Results

CDM

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Isopropylbenzene	1,2-DBE	Chlorobenzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloroethane	Chloromethane	DCFm		
MW-01S	01/13/97		0.5 U	1 U	1 U	2			1 U	1 U	1 U	1 U	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/15/97		0.5 U	1 U	1.4	1.2			1 U	1 U	1 U	1 U	5.4	1 U	1 U	15	1 U	1.4	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	07/08/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	3.5	1 U	1 U	14	1 U	1.4	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	10/14/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.2	1 U	1 U	12	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	01/13/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/21/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	07/14/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	1 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	10/19/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.8	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	01/15/99		0.5 U	1 U	2	1 U							1.9			10	1 U	1.2	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/15/99		1 U	1 U	1 U	2 U							1.8	1 U	1 U	7.2	1	1 U	1.6	1 U	1 U	2.5	1 U	1 U						
	07/15/99		1 U	1 U	1 U	1 U							16	1 U		9.1	1	1.6	1 U	1 U	1 U	5.3	1 U	1 U						
	10/15/99		1 U	1 U	1 U	2 U							1 U	1 U		9.1	1 U	1.1	1.5	1 U	1 U	3.9	1 U	1 U						
	01/15/00		1 U	1 U	1 U	1 U							31			9.9	1 U	1.9	1.5 U	1 U	1 U	2.8	1 U	1 U						
	04/15/00		1 U	1 U	1 U	1 U							1 U			16	1 U	2.5	1 U	1 U	1 U	7.6	1 U	1 U						
	10/15/00		1 U	1 U	1 U	1 U							1 U			8.9	1 U	1.3	1 U	1 U	1 U	3.5	1 U	1 U						
	04/15/01		1 U	1 U	1 U	1 U							1 U	1 U		13	1 U	1.8	1 U	1 U	1 U	8.8	1 U	1 U						
	07/17/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	10	1 U	1.5	1 U	1 U	1 U	5.6	1 U	1 U	2 U	2 U	2 U			
	10/16/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	1 U	1.9	1.1	1 U	1 U	6.7	1 U	1 U	2 U	2 U	2 U			
	01/15/02		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	7	1 U	1 U	1.3	1 U	1 U	1.2	1 U	1 U	2 U	2 U	2 U			
	04/16/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.3	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U			
	07/24/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.2	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	2 U	2 U	2 U			
	10/22/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	8.3	1 U	1 U	1.1	1 U	1 U	2.2	1 U	1 U	2 U	2 U	2 U			
	01/08/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	11	1 U	1 U	1.3	0.5 U	1 U	2.5	1 U	5 U	0.5 U	1 U	1 U	5 U		
	04/23/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	11	1 U	1.8	0.5 U	0.5 U	1 U	8	1 U	5 U	0.5 U	1 U	1 U	5 U		
	07/29/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	1 U	1.8	0.67	0.5 U	1 U	6.5	1 U	5 U	0.5 U	1 U	1 U	5 U		
	10/21/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	12	1 U	1 U	1.1	0.5 U	1 U	2.6	1 U	5 U	0.5 U	1 U	1 U	5 U		
	01/21/04		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	5.2	1 U	1 U	18	1 U	1.4	0.68	0.5 U	1 U	1.4	1 U	5 U	0.5 U	1 U	1 U	5 U		
MW-02	01/15/89		0.5 U	0.5 U	0.5 U	0.5 U			0.2 U	0.01 U	0.01 U	0.2 U	1.8	0.2 U	0.2 U	60	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	
	04/15/89		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	45	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	07/15/89		0.7 U	1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	67	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/15/89		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2	1 U	1 U	35	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	01/15/90								1 U	1 U	1 U	0.4 U	0.54	0.4 U	0.4 U	27	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
	04/15/90		0.5 U	0.5 U	0.5 U	1 U			0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	36	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
	07/15/90		1 U	1 U	1 U	2 U			1 U	1 U	1 U	0.4 U	1	0.4 U	0.4 U	30	0.72	1.6	4.											

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCI4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm			
MVV-03	07/15/90		5 U	5 U	5 U	10 U			5 U	5 U	5 U	2 U	2 U	2 U	2 U	130	14	8.5	3.7	130	46	2 U	2 U	20 U	2 U	2 U	2 U	2 U			
	10/15/90		9	2	1 U	1 U			1 U				1 U	1 U			130	10	1 U	1 U	150	56		1 U		1 U					
	01/15/91		0.5 U	1 U	1 U	1 U							1 U	1 U			38	1 U	1 U	26	74	1 U					1 U				
	04/15/91		0.5 U	1 U	1 U	1 U							1 U	1 U			27	1 U	1 U	1 U	63	17					8.5				
	07/15/91		0.5 U	1 U	1 U	1 U							1 U				28	1 U	1 U	1 U	38	47					6				
	10/15/91		0.5 U	1 U	1 U	1 U							1 U				71	6.7	5.3	1 U	82	4.2					1 U				
	01/15/92												1 U	3			76	7.6	5.7	1 U	202	91	1 U					1 U			
	04/15/92		0.5 U	0.76	1.6	3	1 U			1 U			0.5				25	2.5	1.6	1 U	120	43	1 U	1 U			1.3				
	07/15/92		0.5 U	1 U	1 U	1 U							1 U				76	3.8	5.4	1 U	110	39					3.1				
	10/15/92		0.52	1 U	1 U	1 U							1 U	1 U			130	8.7	8.1	1 U	160	60		1 U			6.9				
	01/15/93		2.5 U	5 U	5 U	5 U							5 U	5 U			84	6.5	6.7	5 U	120	57		5 U	5 U						
	04/20/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	12	1.5	1 U	1 U	100 o	29		1 U	11 B	1 U	1 U	1 U			
	07/12/93		0.5 U	3.3	2.6	5.9			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	16	2.5 U	2.5 U	2.5 U	110	37		2.5 U	4.5 IB	2.5 U	2.5 U	2.5 U			
	10/12/93		0.5 U	1 U	2.6	4.8			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	17	5 U	5 U	5 U	110	30		5 U	5 U	5 U	5 U	5 U			
	01/11/94		0.5 U	1 U	1 U	1 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10	2 U	2 U	2 U	120	28		2 U	2 U	2 U	2 U	2 U			
	04/12/94		0.5 U	1 U	1 U	1 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	15	2 U	2 U	2 U	68	26		2 U	2 U	2 U	2 U	2 U			
	07/18/94		0.5 U	1 U	1 U	1 U			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	26	2.5 U	2.5 U	2.5 U	180 o	82		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U			
	10/11/94		1.2	3.5	1.5	12			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	76	7.5	5.8	2.5 U	120	60		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U			
	01/17/95		0.5 U	1 U	1 U	1 U			4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	72	6	5.1	4 U	140	53		4 U	4 U	4 U	4 U	4 U			
	04/17/95		0.5 U	1 U	1.3	1 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	57	10 U	10 U	10 U	180	72		10 U	65 B	10 U	10 U	10 U			
	07/11/95		0.5 U	2	5.2	8.8			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	9.5	5 U	5 U	5 U	91	35		5 U	5 U	5 U	5 U	5 U			
	10/10/95		0.5 U	1 U	1.7	3.3			10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	30	10 U	10 U	10 U	110	56		10 U	10 U	10 U	10 U	10 U			
	01/30/96		0.5 U	1 U	1.8	5.2			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	26	3.3	3.3	2 U	56	27		2 U	2.5	2 U	2 U	2 U			
	04/15/96		0.5 U	1 U	2.6	3.6			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	46	7	5 U	5 U	100	46		5 U	5 U	5 U	5 U	5 U			
	07/16/96		0.5 U	1.8	9	12			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	17	2.5 U	2.5 U	2.5 U	50	23		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U			
	10/08/96		0.5 U	1 U	5.4	6.2			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	21	2.4	2.3	2 U	46	31		2 U	2 U	2 U	2 U	2 U			
	01/14/97		0.5 U	2.6	1.1	4.2			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	28	3.8	2.1	1 U	68	29		1 U	1 U	1 U	1 U	1 U			
	04/15/97		0.5 U	4.3	2.1	3			1 U	1 U	1 U	1 U	1 U	7.1	1 U	1 U	13	1.7	1 U	1 U	40	22		1 U	1 U	1 U	1 U	1 U			
	07/09/97		0.5 U	1 U	2.5	3.7			1 U	1 U	1 U	1 U	1 U	8.7	1 U	1 U	13	1.8	1.8	2.3	27	14		1 U	1 U	1 U	1 U	1 U			
	10/15/97		0.57	1 U	1.7	1.2			1 U	1 U	1 U	1 U	1 U	3.6	1 U	1 U	24	3	2.6	1.3	34	21		1 U	1 U	1 U	1 U	1 U			
	01/13/98		0.5 U	1 U	1.3	1 U			1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	25	3.2	2	1 U	27	19		1 U	1 U	1 U	1 U	1 U			
	04/22/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	18	2.9	1.8	1 U	30	22		1 U	1 U	1 U	1 U	1 U			
	07/15/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	25	3.6	2.8	1 U	42	36		1 U	1 U	1 U	1 U	1 U			
	10/20/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U																		

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Isopropylbenzene	1,2-DBE	Chlorobenzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloroethane	Chloromethane	DCFm			
			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5.1	5 U	5 U	290	35	35	5 U	39	35	5 U	5 U	5 U	10 U	10 U	10 U	10 U			
MW-03	10/17/01		5 U	5 U	5 U	5 U			5 U	5 U	5 U	5 U	5.1	5 U	5 U	290	35	35	5 U	39	35	5 U	5 U	5 U	10 U	10 U	10 U	10 U			
	01/16/02		2.5 U	2.5 U	2.5 U	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	5.6	2.5 U	2.5 U	220	28	30	2.5 U	33	30	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U			
	04/16/02		5 U	5 U	5 U	10 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	280	35	44	5 U	36	38	5 U	5 U	5 U	10 U	10 U	10 U	10 U			
	07/24/02		5 U	5 U	5 U	10 U			5 U	5 U	5 U	5 U	5.5	5 U	5 U	260	36	34	5 U	28	31	5 U	5 U	5 U	10 U	10 U	10 U	10 U			
	10/22/02		10 U	10 U	63	700			10 U	10 U	10 U	10 U	10 U	10 U	10 U	190	30	17	25	10 U	13	10 U	10 U	10 U	20 U	20 U	20 U	20 U			
	01/08/03		1.6	2 U	2 U	2.3	2 U	2 U	2 U	2 U	2 U	2 U	5.6	2 U	2 U	250	48	32	15	22	27	2 U	2 U	2 U	10 U	1 U	2 U	2 U			
	04/23/03		1 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	8.3	2 U	2 U	190	34	34	3.8	46	47	2 U	2 U	2 U	10 U	1 U	2 U	2 U			
	07/29/03		2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	11	5 U	5 U	280	34	37	6	70	72	5 U	5 U	25 U	2.5 U	5 U	5 U	25 U			
	10/21/03		2.5	1 U	1600	209 M2	11	1 U	1 U	1 U	1 U	1 U	4	1 U	1 U	110 M-HA	18	19	9	17	18	12	1 U	5 U	0.5 U	1 U	1 U	5 U			
	01/21/04		1.8	1 U	60	2 U	1.4	1 U	1 U	1 U	1 U	1 U	4.1	1 U	1 U	200	33	34	76	25	24	18	1 U	5 U	0.5 U	1 U	1 U	5 U			
MW-04	01/15/89		0.5 U	10	15	29			0.2 U	0.01 U	0.01 U	0.2 U	1.6	0.68	0.2 U	120	22	36	20	0.2 U	3.7		0.2 U	14	0.2 U	0.2 U	0.2 U	0.2 U			
	04/15/89		5 U	23	15	50			5 U	5 U	5 U	5 U	5 U	5 U	5 U	280	55	92	5 U	5 U	12		5 U	94	5 U	5 U	5 U	5 U			
	07/15/89		14 U	20 U	140	40			20 U	20 U	20 U	20 U	20 U	20 U	20 U	290	50	80	120	20 U	20 U	20 U	20 U	170	20 U	20 U	20 U	20 U			
	10/15/89		5 U	10 U	10 U	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	250	60	100	70	10 U	10 U	20	30	10 U	10 U	10 U	10 U	1 U			
	01/15/90								12 U	12 U	12 U	12 U	5 U	5 U	5 U	220	33	72	100	5 U	5.1		74	5 U	5 U	5 U	5 U	5 U			
	04/15/90		10 U	10 U	10 U	20 U			10 U	10 U	10 U	10 U	4 U	4 U	4 U	280	35	67	140	4 U	6		54	4 U	4 U	4 U	4 U	1 U			
	07/15/90		50 U	50 U	1600	170			5 U	5 U	5 U	20 U	20 U	20 U	20 U	320	43	65	260	20 U	20 U	20 U	200 U	20 U	20 U	20 U	20 U				
	10/15/90		0.5 U	17	230	650		0.21					1 U	1 U		250	54	80	360	1 U	1 U	1 U	38					1 U			
	01/15/91		0.5 U	1 U	1 U	1						1 U	1 U			180	1 U	57	190	1 U	1 U		1 U						1 U		
	04/15/91		0.5 U	1 U	730	880						1 U	1 U			170	21	40	180	1 U	1 U		43						1 U		
	07/15/91		0.5 U	16000	6700	18000						1 U				190	40	66	95	1 U	12		94						1 U		
	10/15/91		0.5 U	6900	4100	10000						400 U				400 U	400 U	400 U	400 U	400 U	400 U		1 U						1 U		
	01/15/92												1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U		1 U						1 U	
	04/15/92		6.7	7.2	960	1010	1 U						1 U				280	57	120	49	1 U	15	24	1 U	18						1 U
	07/15/92		0.5 U	1 U	200	1 U							1 U				280	53	74	32	1 U	12		61							1 U
	10/15/92		71	1 U	1300	230							1 U	1 U			230	32	48	18	1 U	1 U	1 U	1 U	26						1 U
	01/15/93		130 U	10000	10000	19000							250 U	250 U			250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	1 U		
	04/20/93		0.5 U	1 U	88 o	13			1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	3.9	4.2	11	1 U	1 U	1 U	1 U	3.8 IB	1 U	1 U	1 U	1 U	1 U	1 U	
	07/13/93		0.6	2	1.8	11			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100	23	29	9	2.5 U	2.6		3.3	17 B	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	
	10/13/93		1.3	1 U	1 U	40			10 U	10 U	10 U	10 U	10 U	10 U	10 U	290	55	65	13	10 U	11		10 U	59	10 U	10 U	10 U	10 U	10 U	1 U	
	10/14/93		5 U	10 U	320	10 U		</td																							

Table B-1
Pro-Tech, Inc.
Groundwater Analytical Results
Volatiles (VOCs) Analytical Summary

1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm
1 U		7.4 U	1.7	6.8	1 U	1 U	1 U	1 U	1 U	1 U				
1 U		19 U	4.5	20	1 U	1 U	1 U	1.6	1 U	1 U				
1 U	1 U	44	13	56	1 U	1 U	2.4	4.4	1.1	1 U	2 U	2 U	2 U	
1 U	1 U	22	6.2	25	1 U	1 U	1.1	1.7	1 U	1 U	2 U	2 U	2 U	
1 U	1 U	3.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
2 U	2 U	71	18	93	2 U	2 U	4.4	7.3	2 U	2 U	4 U	4 U	4 U	
1 U	1 U	7.1	1.8	6.1	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
1 U	1 U	36	11	33	1 U	1 U	1.3	1.9	1 U	1 U	2 U	2 U	2 U	
1 U	1 U	42	11	40	0.5 U	0.5 U	1.8	2.8	1 U	5 U	0.5 U	1 U	1 U	5 U
2.9	1 U	110	37	150	0.5 U	0.5 U	7	13	2.2	5 U	0.5 U	1 U	1 U	5 U
4	4 U	150	47	230	2 U	2 U	9.2	16	4 U	20 U	2 U	4 U	4 U	20 U
4 U	4 U	130	26	210	2 U	2 U	8.9	13	4 U	20 U	2 U	4 U	5.3	20 U
2 U	2 U	63	17	99	1 U	1 U	4	7.7	2 U	10 U	1 U	2 U	2 U	10 U
0.2 U	0.2 U	5.9	0.2 U	0.2 U	29	5.6	7.4		0.2 U	2.1	0.2 U	0.2 U	0.2 U	
1 U	1 U	65	1 U	1 U	1 U	140	73		1 U	1 U	1 U	1 U	1 U	
1 U	1 U	46	2	4	1 U	97	57		1 U	1 U	1 U	1 U	1 U	
1 U	1 U	15	1 U	10	10	39	31		1 U	1 U	1 U	1 U	1 U	
0.41	0.4 U	16	0.4 U	0.42	2.2	52	42		4 U	0.4 U	0.4 U	0.4 U	0.4 U	
1 U	1 U	24	4.7	1 U	1 U	120	76		10 U	1 U	1 U	1 U	1 U	
1.9	1 U	51	2.1	3.2	1 U	120	41	1 U	1 U	10 U	1 U	1 U	1 U	
1 U		14	1 U	1 U	1 U	70	33		1 U	1 U				
		22	1 U	1 U	1 U	140	49			1 U				
1.2 U	0.2 U	57	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	
1 U	1 U	37	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
1 U	1 U	29	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
1 U	1 U	29	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
1 U	1 U	46	1 U	1 U	1 U	1 U	1 U		10 U	1 U	1 U	1 U	1 U	
1 U	1 U	61	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	
1 U		52	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
		59	1 U	1 U	1 U	1 U	1 U	1 U		1 U				
		19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
		10	1 U	1 U	1 U	1 U	1 U	1 U						
		9.3	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1.4			
		6.9	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U			
		2.6	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1.41	1 U	1 U	
		2.7	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1.11B	1 U	1 U	
		5.9	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1.51	1 U	1 U	
		2.7	1 U	1 U	1 U	1.2	1 U	1 U		1 U	1 U	1 U	1 U	
		2	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	
		2.9	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	
		1.5	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	
		8.6	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	

e Inc. Analytical Results Cs) Analytical Summary														
1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm	
20 U	310	48	100	20 U	20 U	22			20 U	110	20 U	20 U	20 U	
12 U	330	76	130	36	12 U	12 U			12 U	56	12 U	12 U	12 U	
25 U	150	32	67	25 U	25 U	25 U			25 U	31	25 U	25 U	25 U	
10 U	150	32	42	10 U	10 U	10 U			10 U	35	10 U	10 U	10 U	
10 U	230	69	140	12	10 U	27			10 U	140	10 U	10 U	10 U	
10 U	180	42	72	61	10 U	10 U			10 U	46	10 U	10 U	10 U	
5 U	92	25	37	110	5 U	5 U			5 U	17	5 U	5 U	5 U	
1 UD	120 D	25 UD	28 D	25 UD	25 UD	25 UD			25 UD	28 D	25 UD	25 UD	25 UD	
2 UD	120 D	29 D	64 D	22 D	12 UD	12 D			12 UD	52 D	12 UD	12 UD	12 UD	
	190 U	40 U	64 U	66 U	2.5 U	10 U			2.5 U	36 U				
1.5 U	190 U	40 U	64 U	66 U	2.5 U	10 U	68 U	2.5 U	36 U					
	140 U	36 U	58 U	87 U	10 U	10 U	100 U	10 U	38 U					
	210 U	82 U	170 U	85 U	5 U	25 U	160 U	5 U	130 U					
	160 U	85 U	160 U	18 U	2.5 U	18 U	170 U	4.9 U	100 U					
	240 U	98 U	170 U	94 U	5 U	13 U	130 U	5 U	53 U					
	170 U	1 U	7.4 U	99 U	50 U	50 U	130 U	50 U	50 U					
	150 U	50 U	58 U	50 U	50 U	50 U	50 U	50 U	50 U					
	50 U	74	50 U	50 U	50 U	50 U	50 U	50 U	50 U					
	50 U	76	50 U	50 U	50 U	50 U	50 U	50 U	50 U					
	50 U	170	50 U	73	50 U	50 U	50 U	65	50 U					
	50 U	220	50 U	90										

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Isopropylbenzene	1,2-DBE	Chlorobenzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloroethane	Chloromethane	DCFm				
MW-03	10/17/01		5 U	5 U	5 U	5 U			5 U	5 U	5 U	5 U	5.1	5 U	5 U	290	35	35	5 U	39	35	5 U	5 U	10 U	10 U	10 U						
	01/16/02		2.5 U	2.5 U	2.5 U	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	5.6	2.5 U	2.5 U	220	28	30	2.5 U	33	30	2.5 U	2.5 U	5 U	5 U	5 U						
	04/16/02		5 U	5 U	5 U	10 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	280	35	44	5 U	36	38	5 U	5 U	10 U	10 U	10 U						
	07/24/02		5 U	5 U	5 U	10 U			5 U	5 U	5 U	5 U	5.5	5 U	5 U	260	36	34	5 U	28	31	5 U	5 U	5 U	10 U	10 U						
	10/22/02		10 U	10 U	63	700			10 U	10 U	10 U	10 U	10 U	10 U	10 U	190	30	17	25	10 U	13	10 U	10 U	10 U	20 U	20 U	20 U					
	01/08/03		1.6	2 U	2 U	2.3	2 U	2 U	2 U	2 U	2 U	2 U	5.6	2 U	2 U	250	48	32	15	22	27	2 U	2 U	10 U	1 U	2 U	2 U	10 U				
	04/23/03		1 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	8.3	2 U	2 U	190	34	34	3.8	46	47	2 U	2 U	10 U	1 U	2 U	2 U	10 U				
	07/29/03		2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	11	5 U	5 U	280	34	37	6	70	72	5 U	5 U	25 U	2.5 U	5 U	5 U	25 U				
	10/21/03		2.5	1 U	1600	209 M2	11	1 U	1 U	1 U	1 U	1 U	4	1 U	1 U	110 M-HA	18	19	9	17	18	12	1 U	5 U	0.5 U	1 U	1 U	5 U				
	01/21/04		1.8	1 U	60	2 U	1.4	1 U	1 U	1 U	1 U	1 U	4.1	1 U	1 U	200	33	34	76	25	24	18	1 U	5 U	0.5 U	1 U	1 U	5 U				
MW-04	01/15/89		0.5 U	10	15	29			0.2 U	0.01 U	0.01 U	0.2 U	1.6	0.68	0.2 U	120	22	36	20	0.2 U	3.7	0.2 U	14	0.2 U	0.2 U	0.2 U	0.2 U					
	04/15/89		5 U	23	15	50			5 U	5 U	5 U	5 U	5 U	5 U	5 U	280	55	92	5 U	5 U	12	5 U	94	5 U	5 U	5 U	5 U					
	07/15/89		14 U	20 U	140	40			20 U	20 U	20 U	20 U	20 U	20 U	20 U	290	50	80	120	20 U	20 U	20 U	170	20 U	20 U	20 U	20 U					
	10/15/89		5 U	10 U	10 U	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	250	60	100	70	10 U	10 U	20	30	10 U	10 U	10 U	10 U					
	01/15/90								12 U	12 U	12 U	12 U	5 U	5 U	5 U	220	33	72	100	5 U	5.1		74	5 U	5 U	5 U	5 U					
	04/15/90		10 U	10 U	10 U	20 U			10 U	10 U	10 U	10 U	4 U	4 U	4 U	280	35	67	140	4 U	6		54	4 U	4 U	4 U	4 U					
	07/15/90		50 U	50 U	1600	170			5 U	5 U	5 U	20 U	20 U	20 U	20 U	320	43	65	260	20 U	20 U	20 U	200 U	20 U	20 U	20 U	20 U					
	10/15/90		0.5 U	17	230	650		0.21					1 U	1 U		250	54	80	360	1 U	1 U	1 U	1 U	38								
	01/15/91		0.5 U	1 U	1 U	1						1 U	1 U		180	1 U	57	190	1 U	1 U		1 U										
	04/15/91		0.5 U	1 U	730	880							1 U	1 U		170	21	40	180	1 U	1 U		43									
	07/15/91		0.5 U	16000	6700	18000							1 U		190	40	66	95	1 U	12		94										
	10/15/91		0.5 U	6900	4100	10000							400 U		400 U	400 U	400 U	400 U	400 U	400 U		1 U										
	01/15/92													1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U								
	04/15/92		6.7	7.2	960	1010	1 U							1 U		280	57	120	49	1 U	15	24	1 U	18								
	07/15/92		0.5 U	1 U	200	1 U								1 U		280	53	74	32	1 U	12		61									
	10/15/92		71	1 U	1300	230								1 U	1 U	230	32	48	18	1 U	1 U	1 U	1 U	26								
	01/15/93		130 U	10000	10000	19000							250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U				
	04/20/93		0.5 U	1 U	88 o	13			1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	3.9	4.2	11	1 U	1 U	1 U	1 U	3.8 IB	1 U	1 U	1 U	1 U				
	07/13/93		0.6	2	1.8	11			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100	23	29	9	2.5 U	2.6		3.3	17 B	2.5 U	2.5 U	2.5 U	2.5 U				
	10/13/93		1.3	1 U	1 U	40			10 U	10 U	10 U	10 U	10 U	10 U	10 U	290	55	65	13	10 U	11		10 U	59	10 U	10 U	10 U	10 U				
	10/14/93		5 U	10 U	320	10 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	21	4.8	24	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	01/11/94		0.81	1 U	8.3	14			5 U	5 U	5 U	5 U	5 U	5 U	5 U	130	43	42	5 U	5 U	5 U	5 U	5 U	23 I	5 U	5 U	5 U	5 U				
	04/13/94		0.5 U	1 U	4	6.5			5 U	5 U	5 U	5 U	5 U	5 U	5 U	190	33	42	5 U	5 U	5 U	5 U	5 U	19	5 U	5 U						

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm			
MW-04	10/09/96		50 U	380	1100	1900			20 U	20 U	20 U	20 U	20 U	20 U	310	48	100	20 U	20 U	22		20 U	110	20 U	20 U	20 U					
	01/14/97		6.2 U	12 U	1100	12 U			12 U	12 U	12 U	12 U	12 U	12 U	330	76	130	36	12 U	12 U	12 U	12 U	56	12 U	12 U	12 U	12 U				
	04/16/97		12 U	35	1300	620			25 U	25 U	25 U	25 U	25 U	25 U	150	32	67	25 U	25 U	25 U	25 U	31	25 U	25 U	25 U	25 U					
	07/09/97		5 U	10 U	810	110			10 U	10 U	10 U	10 U	10 U	10 U	150	32	42	10 U	10 U	10 U	10 U	10 U	35	10 U	10 U	10 U	10 U				
	10/16/97		5 U	10 U	460	31			10 U	10 U	10 U	10 U	10 U	10 U	230	69	140	12	10 U	27		10 U	140	10 U	10 U	10 U					
	01/14/98		5 U	10 U	530	420			10 U	10 U	10 U	10 U	10 U	10 U	180	42	72	61	10 U	10 U	10 U	10 U	46	10 U	10 U	10 U	10 U				
	04/22/98		2.9	5 U	320	5 U			5 U	5 U	5 U	5 U	5 U	5 U	92	25	37	110	5 U	5 U	5 U	5 U	17	5 U	5 U	5 U	5 U				
	07/15/98		12 UD	25 UD	1200 D	300 U			25 UD	25 UD	25 UD	25 UD	25 UD	25 UD	120 D	25 UD	28 D	25 UD	25 UD	25 UD	25 UD	28 D	25 UD	25 UD	25 UD	25 UD					
	10/21/98		6.2 UD	12 UD	740 D	240 U			12 UD	12 UD	12 UD	12 UD	12 UD	12 UD	120 D	29 D	64 D	22 D	12 UD	12 D	12 UD	12 UD	52 D	12 UD	12 UD	12 UD	12 UD				
	01/15/99		5 U	10 U	220 U	31 U								10 U		190 U	40 U	64 U	66 U	2.5 U	10 U		2.5 U		36 U						
	04/15/99		3.5 U	2.5 U	220 U	9.9 U								2.5 U	2.5 U	2.5 U	190 U	40 U	64 U	66 U	2.5 U	10 U		2.5 U		36 U					
	07/15/99		10 U	10 U	670 U	67 U								10 U	10 U	140 U	36 U	58 U	87 U	10 U	10 U	100 U	10 U	38 U							
	10/15/99		5 U	5 U	92 U	11 U								5 U	5 U	210 U	82 U	170 U	85 U	5 U	25 U	160 U	5 U	130 U							
	01/15/00		5.1 U	2.5 U	2.5 U	6 U								8.8 U		160 U	85 U	160 U	18 U	2.5 U	18 U	170 U	4.9 U	100 U							
	04/15/00		5 U	5 U	46 U	8.6 U								5 U		240 U	98 U	170 U	94 U	5 U	13 U	130 U	5 U	53 U							
	10/15/00		50 U	50 U	2500 U	50 U								50 U	50 U	170 U	1 U	7.4 U	99 U	50 U	50 U	130 U	50 U	50 U							
	04/15/01		50 U	120 U	3100 U	830 U								50 U	50 U	150 U	50 U	58 U	50 U	50 U	50 U	100 U	50 U	50 U							
	07/18/01		50 U	50 U	2400	50 U			50 U	50 U	50 U	50 U	50 U	50 U	50 U	74	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U					
	07/18/01	K	50 U	50 U	2400	50 U			50 U	50 U	50 U	50 U	50 U	50 U	50 U	76	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U				
	10/18/01		50 U	50 U	3700	50 U			50 U	50 U	50 U	50 U	50 U	50 U	50 U	170	50 U	73	50 U	50 U	50 U	50 U	65	50 U	50 U	100 U	100 U	100 U			
	10/18/01	K	50 U	50 U	2800	50 U			50 U	50 U	50 U	50 U	50 U	50 U	50 U	220	50 U	90	50 U	50 U	50 U	50 U	81	50 U	59	100 U	100 U	100 U			
	01/17/02		10 U	10 U	680	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	130	31	55	160	10 U	10 U	63	10 U	20	20 U	20 U	20 U				
	01/17/02	K	10 U	10 U	720	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	140	32	58	160	10 U	10 U	70	10 U	24	20 U	20 U	20 U				
	04/18/02		50 U	50 U	2200	170			50 U	50 U	50 U	50 U	50 U	50 U	50 U	260	57	100	50 U	50 U	50 U	50 U	86	50 U	58	100 U	100 U	100 U			
	04/18/02	K	50 U	50 U	1900	160			50 U	50 U	50 U	50 U	50 U	50 U	50 U	260	65	100	50 U	50 U	50 U	50 U	84	50 U	60	100 U	100 U	100 U			
	07/25/02		7.7	5 U	220	328			5 U	5 U	5 U	5 U	5 U	5 U	5 U	210	110	180	32	5 U	18	210	5 U	85	10 U	10 U	10 U				
	07/25/02	K	7.6	5 U	200	317			5 U	5 U	5 U	5 U	5 U	5 U	5 U	210	110	170	32	5 U	18	200	5 U	84	10 U	10 U	10 U				
	10/23/02		12 U	12 U	820	1650			12 U	12 U	12 U	12 U	12 U	12 U	12 U	130	76	200	31	12 U	20	240	12 U	87	25 U	25 U	25 U				
	10/23/02	K	12 U	12 U	880	1760			12 U	12 U	12 U	12 U	12 U	12 U	12 U	140	82	210	28	12 U	21	250	12 U	90	25 U	25 U	25 U				
	12/30/02		3.8	0.37 J	51	81		2.5 U	1.5 J	2.5 U	2.5 U	2.5 U	1.9 J	2.5 U	2.5 U	85	45	110	67	2.5 U	8.1	130 E	2.3 J	30	0.39 J	0.47 J	2.5 U	2.5 U			
	12/30/02	K	3.8 J	0.4 J	49	78		5 U	1.6 J	5 U	5 U	5 U	2.1 J	5 U	5 U	99	48	120	64	5 U	9.7	140	2.8 J	36	0.34 J	5 U	5 U	5 U	5 U		
	04/25/03		5.6	5 U	540	31	6.4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	130	83	150	150	2.5 U	17	210	5 U									

Table B-1
Phibro-Tech, Inc.

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm			
MW-04A	10/15/89		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U		
	01/15/90								0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			2 U	0.2 U	0.2 U	0.2 U	0.2 U				
	04/15/90		0.5 U	0.5 U	0.5 U	1 U			0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	2.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			2 U	0.2 U	0.2 U	0.2 U	0.2 U				
	07/15/90		0.5 U	0.5 U	0.5 U	1 U			0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	6.1	0.42	1.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U			
	10/15/90		0.5 U	1 U	1 U	1 U		1 U				1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U					1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.6				
	04/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.3				
	07/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	10/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	01/15/92										1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	04/15/92		0.5 U	1 U	1 U	1 U	1 U			1 U			0.7			1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	07/15/92		0.5 U	1 U	1 U	1 U						1 U			1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1			
	10/15/92		0.5 U	1 U	1 U	1 U						1 U	1.2		45	12	49	1 U	1 U	1 U	1 U	4.2		1.4	4.7						
	01/15/93		0.5 U	3	3.5	8.9						1 U	1 U		4.1	1 U	1.9	1 U	1 U	1 U	1 U		1 U	1 U							
	04/20/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	2.7	1 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1.7 IB	1 U	1 U	1 U				
	07/13/93		0.5 U	2.7	1.8	4.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	16	3	13	1 U	1 U	1 U	1 U	1 U	1 U	1.2	2.9 IB	1 U	1 U	1 U		
	10/13/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	7.8	1.6	6.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	01/11/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	12	3.4	9.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	04/13/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	9.2	1.5	4.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	07/19/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	11	2.4	6.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	10/12/94		0.5 U	1 U	1 U	2.1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	2.7	7.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2 I	1 U	1 U	1 U		
	01/18/95		0.5 U	1.5	2.7	2.9			1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	30	11	35	1 U	1 U	1 U	1 U	1 U	1 U	2.4 I	1 U	1 U	1 U	
	04/18/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	10	2.5	13	1 U	1 U	1 U	1 U	1 U	1 U	3.5 B	1 U	1 U	1 U			
	07/12/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	19	5	20	1 U	1 U	1 U	1 U	1 U	1 U	1.3 I	1 U	1 U	1 U	
	10/10/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	21	5.9	28	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	
	01/31/96		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	19	5.6	25	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	
	04/16/96		0.5 U	1 U	2.9	3.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	15	4.7	19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	07/16/96		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	16	3.7	24	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U			
	10/09/96		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	19	3.9	26	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	
	01/14/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	20	5.1	23	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U			
	04/16/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	14	3.3	17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	07/09/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	2.7	1 U	1 U	11	2.4	9.8	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/16/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	13	3.6	19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	01/14/98		0.5 U	1 U	1.8	1.9																									

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Isopropylbenzene	1,2-DBE	Chlorobenzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCI4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloroethane	Chloromethane	DCFm	
MW-06D	10/13/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.5	1 U	1 U	9.4	1 U	1 U	1 U	1 U	1 U		1 U	3.6 I	1 U	1 U	1 U		
	01/11/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U		
	04/12/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U		
	07/19/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U		
	10/12/94		0.5 U	1.6	1 U	11			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U		
	01/18/95		0.5 U	18	22	28			1 U	1 U	1 U	1 U	1 U	6.5	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/18/95		0.5 U	1 U	3.4	2.5			1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U		1 U	3.4 B	1 U	1 U	1 U	
	07/11/95		0.5 U	1.1	3.4	5.1			1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	4.3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/10/95		0.5 U	1 U	1.3	2.6			1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	5.2	1 U	1 U	1 U	1 U	3.1	1 U		1 U	1 U	1 U	1 U	1 U
	01/30/96		0.5 U	9.3	13	26			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/16/96		2.5 U	9.7	67	88			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/16/96		0.5 U	1 U	3.1	4.6			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/08/96		0.5 U	1.7	4.3	3.9			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	32	1 U	1 U	2.6	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/14/97		0.5 U	6.4	16	19			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	17	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/16/97		0.5 U	3.5	3.7	1.3			1 U	1 U	1 U	1 U	1 U	3.7	1 U	1 U	14	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/09/97		0.5 U	1 U	1.1	1 U			1 U	1 U	1 U	1 U	1 U	3.7	1 U	1 U	14	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/15/97		0.5 U	1 U	1.1	1 U			1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	14	1 U	1 U	1.1	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/14/98		0.5 U	3.9	12	15			1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	8.7	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/22/98		0.5 U	1 U	2.4	4.4			1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	6.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/98		0.5 U	1 U	1.2				1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	8.1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/20/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/99		1 U	4 U	14 U	11.5 U							1 U				10 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	04/15/99		1 U	4 U	14 U	11.5 U							1.2 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	07/15/99		1 U	1 U	4.4 U	1 U							16 U	1 U		23 U	1.6 U	2.6 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U			
	10/15/99		1 U	1 U	2.9 U	2 U							1 U	1 U		8.8 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/00		1 U	1 U	1.8 U	1 U							16 U			9.2 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	04/15/00		1 U	1 U	1 U	1 U							1 U			4.3 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	10/15/00		1 U	1 U	1 U	1 U							1 U	1 U		10 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	04/15/01		1 U	1 U	1 U	1 U							1.5 U	1 U		10 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	07/18/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	2 U	2 U	2 U	
	10/17/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	4.6	1 U	1 U	1 U	1 U	1 U		1 U	1 U	2 U	2 U	2 U	
	01/16/02		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	6.6	1 U	1 U	1 U	1 U	1 U		1 U	1 U	2 U	2 U	2 U	
	04/17/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.5	1 U	1 U	1 U	1 U	1 U		1 U	1 U	2 U	2 U	2 U	
	07/25/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	2 U	2 U	2 U	
	10/23/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.5	1 U	1 U	1 U	1 U	1 U		1 U	1 U	2 U	2 U	2 U	
	01/08/03		0.5 U</																										

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Isopropylbenzene	1,2-DBE	Chlorobenzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloroethane	Chloromethane	DCFm
MW-06B	04/18/95		0.5 U	1.6	9.1	6.2			1 U	1 U	1 U	1 U	3.3	1 U	1 U	2.3	1 U	1 U	1 U	1 U	1 U	1 U	3.2 B	1 U	1 U	1 U	1 U	
	07/11/95		0.5 U	1.1	4	5.1			1 U	1 U	1 U	1 U	1.8	1 U	1 U	8.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	10/10/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	01/30/96		1 U	28	27	53			1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/16/96		1 U	4.2	37	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	07/16/96		0.5 U	1 U	2.3	3.5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/08/96		0.5 U	1 U	2.1	2.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	01/14/97		0.5 U	4.3	4.3	6.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/16/97		0.5 U	3.6	1.7	1 U			1 U	1 U	1 U	1 U	2.3	1 U	1 U	5.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	07/09/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2.9	1 U	1 U	6.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/15/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.6	1 U	1 U	6.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	01/14/98		0.5 U	15	32	39			1 U	1 U	1 U	1 U	1.1	1 U	1 U	17	1 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/22/98		0.5 U	1.6	4.2	6			1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	07/15/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/20/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	9.9	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	01/15/99		1 U	19 U	24 U	29 U							1.2			17 U	1.5 U	2.3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/15/99		1 U	19 U	42 U	33.9 U							1.6 U	1 U	1 U	31 U	1.5 U	2.3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	07/15/99		1 U	1 U	1.2 U	1 U							8.1 U	1 U		8.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/15/99		1 U	1 U	4.8 U	1 U							1.8 U	1 U		12 U	1.6 U	1.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	01/15/00		1 U	1 U	2 U	1 U							17 U			13 U	2.4 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/15/00		1 U	1 U	1.1 U	1 U							1 U			7 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/15/00		1 U	1 U	1 U	1 U							1.3 U	1 U		9.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/15/01		1 U	1 U	1 U	1 U							1 U	1 U		5.9 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	07/18/01		1 U	1 U	1 U	1 U							1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U
	10/17/01		1 U	1 U	1 U	1 U							1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U
	01/16/02		1 U	1 U	1 U	1 U							1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U
	04/17/02		1 U	1 U	1 U	2 U							1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U
	07/25/02		1 U	1 U	1 U	2 U							1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U
	10/23/02		1 U	1 U	1 U	2 U							1 U	1 U		1 U	1 U	12	1.1	11	1.8	1 U	3.4	1 U	1 U	2 U	2 U	2 U
	01/09/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	5.9	1 U	1 U	22	2	1.5	0.5 U	0.5 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U	
	04/24/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	15	1 U	1 U	0.5 U	0.5 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U	
	07/30/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	13	1 U	1 U	0.5 U	0.5 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U	
	10/22/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	4.4	1 U	1 U	18	1 U	1 U	0.5 U	0.5 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U	
	01/22/04		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	3.5	1 U	1 U	18	7.6	5.9	0.5 U	0.5 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U	
MW-06D	10/15/90		0.5 U	1 U	1 U	1 U		1 U					14	1 U		100	1 U</											

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Isopropylbenzene	1,2-DBE	Chlorobenzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloroethane	Chloromethane	DCFm							
MW-07	04/15/00		1 U	1 U	1.2 U	1 U							1.4 U			48 U	6.2 U	41 U	5.8 U	1 U	1.1 U	13 U	1.6 U	1 U											
	10/15/00		2.5 U	2.5 U	2.5 U	2.5 U							2.5 U	2.5 U		110 U	13 U	64 U	29 U	2.5 U	2.5 U	27 U	3.8 U	2.5 U											
	04/15/01		1 U	1 U	1 U	1 U							1 U	1 U		78 U	8.9 U	53 U	41 U	1 U	1.2 U	23 U	2.9 U	1 U											
	07/18/01		2.5 U	2.5 U	2.5 U	2.5 U							2.5 U	2.5 U	2.5 U	84	13	76	140	2.5 U	2.5 U	21	2.7	2.5 U	5 U	5 U	5 U								
	10/18/01		2 U	2 U	2 U	2 U							2 U	2 U	2 U	2 U	160	16	78	27	2 U	2.8	36	4.8	2 U	4 U	4 U	4 U							
	01/17/02		1 U	1 U	1 U	1 U							1 U	1 U	1 U	1 U	1 U	15	1.2	8.7	15	1 U	1 U	2.1	1 U	1 U	2 U	2 U							
	04/18/02		1 U	1 U	1 U	2 U							1 U	1 U	1 U	1 U	1 U	38	4.1	34	52	1 U	1 U	7.9	1.1	1 U	2 U	2 U							
	07/26/02		2.5 U	2.5 U	2.5 U	5 U							2.5 U	2.5 U	2.5 U	2.5 U	100	11	58	15	2.5 U	2.5 U	24	3.4	2.5 U	5 U	5 U	5 U							
	10/23/02		1 U	1 U	1 U	2 U							1 U	1 U	1 U	1 U	1 U	21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U							
	12/30/02	0.057 J	1 U	1 U	1 U	2 U							1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	13	1.8	13	1.8	1 U	0.29 J	3	0.38 J	0.6 J	0.12 J	1 U	1 U	0.09 J		
	04/24/03		0.5 U	1 U	1 U	2 U	1 U						1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	59	7.4	48	18	0.5 U	1.8	13	1.1	5 U	0.5 U	1 U	1 U	5 U		
	07/30/03		0.5 U	1 U	1 U	2 U	1 U						1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	60	8.5	52	20	0.5 U	1.6	16	1.7	5 U	0.5 U	1 U	1 U	5 U		
	10/23/03		2 U	2 U	2 U	4 U							2 U	2 U	2 U	2 U	2 U	2 U	2 U	11	5 U	5.8	3.3	5 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U			
	01/22/04		0.5 U	1 U	1 U	2 U	1 U						1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	32	2.3	24	5.3	0.5 U	1 U	6.2	1 U	5 U	0.5 U	1 U	1 U	5 U		
MW-08	01/15/89		0.5 U	0.5 U	0.5 U	1.6							0.2 U	0.01 U	0.01 U	0.2 U	4.3	0.2 U	0.2 U	69	0.2 U	30	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		
	04/15/89		1 U	1 U	1 U	1 U							1 U	1 U	1 U	1 U	1 U	1 U	1 U	23	6	36	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	07/15/89		0.7 U	1 U	1 U	1 U	1 U						1 U	1 U	1 U	1 U	1 U	2	20	1 U	43	25	85	1 U	1 U	1 U	26	1 U	1 U	1 U	1 U	1 U	1 U		
	10/15/89		0.5 U	1 U	1 U	1 U							1 U	1 U	1 U	1 U	1 U	1 U	1 U	22	4	40	1 U	1 U	1 U	8	1 U	1 U	1 U	1 U	1 U	1 U			
	01/15/90												0.5 U	0.5 U	0.5 U	0.2 U	1.4	0.2 U	0.2 U	28	6.6	29	0.83	0.2 U	0.49		2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		
	04/15/90		1 U	1 U	1 U	2 U							1 U	1 U	1 U	0.4 U	1	0.4 U	0.4 U	17	2.7	28	0.8	0.4 U	0.4 U		4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U		
	07/15/90		1 U	1 U	1 U	2 U							1 U	1 U	1 U	0.4 U	0.4 U	0.4 U	0.4 U	20	7.7	42	17	0.4 U	1	5.9	0.92	4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	
	10/15/90		0.5 U	1 U	1 U	1 U							1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	1 U	34	14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	01/15/91		0.5 U	3	1.7	4.4										1 U	1 U	1 U	1 U	26	6	59	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
MW-09	01/15/89		0.5 U	0.5 U	0.5 U	0.5 U							0.2 U	0.01 U	0.01 U	0.2 U	3.1	2.9	0.2 U	55	0.2 U	34	4.3	0.2 U	8.9	0.2 U	16	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		
	04/15/89		0.7 U	1 U	1 U	1 U	1 U						1 U	1 U	1 U	1 U	1 U	1 U	1 U	24	4	5	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	07/15/89		0.7 U	1 U	1 U	1 U	1 U						1 U	1 U	1 U	1 U	1 U	2	4	1 U	57	14	28	37	1 U	4	3	3	1 U	1 U	1 U	1 U			
	10/15/89		0.5 U	1 U	1 U	1 U	1 U						10 U	10 U	10 U	10 U	10 U	10 U	10 U	110	40	90	10 U	10 U	10 U	10 U	15	10 U	10 U	10 U	10 U	10 U	10 U		
	01/15/90												2.5 U	2.5 U	2.5 U	1 U	2.2	1 U	1 U	100	36	50	3.9	1 U	1 U	1 U	10 U	1 U	1 U	8.1	1 U				
	04/15/90		2.5 U	2.5 U	2.5 U	5 U							2.5 U	2.5 U	2.5 U	1 U	2	4	1 U	150	48	89	15	1 U	13		10 U	1 U	1 U	1 U	1 U	1 U	1 U		
	07/15/90		2.5 U	2.5 U	2.5 U	5 U							2.5 U	2.5 U	2.5 U	1 U	4	1 U	1 U	64	12	23	50	1 U	3.7	1 U									

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Isopropylbenzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm	
MVV-07	07/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	1 U	15	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U		
	10/15/89		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U		3	1 U	1 U	44	1 U	4	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U		
	01/15/90								2.5 U	2.5 U	2.5 U	1 U	1 U	1 U	1 U	39	1 U	2.4	1 U	1 U	1 U		10 U	1 U	1 U	1 U	1 U		
	04/15/90		2.5 U	2.5 U	2.5 U	5 U			2.5 U	2.5 U	2.5 U	1 U	1 U	1 U	1 U	45	1 U	3.7	1 U	1 U	1 U		10 U	1 U	1 U	1 U	1 U		
	07/15/90		1 U	1 U	1 U	2 U			1 U	1 U	1 U	0.4 U	1.1	0.4 U	0.4 U	34	3.5	29	3.4	0.4 U	0.73	2.4	0.4 U	4 U	0.4 U	0.4 U	0.4 U	0.4 U	
	10/15/90		0.5 U	1 U	1 U	1 U						1.4	1 U			19	1.3	9	5	1 U	1 U		3.5	1 U					
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U			1.8	3	20	1 U	1 U	1 U		1 U						
	04/15/91		0.5 U	1 U	1 U	1 U							1 U	1 U			30	2	29	1 U	1 U	1 U		5.5					
	07/15/91		0.5 U	1 U	1 U	1 U							1 U				53	1 U	30	31	1 U	1 U		18					
	10/15/91		0.5 U	1 U	1 U	1 U							1 U				54	1 U	18	16	1 U	1 U		4					
	01/15/92		0.5 U	1 U	1 U	1 U							1 U	1 U			120	9.9	49	56	1 U	1 U	9	1 U					
	04/15/92		0.5 U	1 U	1 U	1 U	1 U					1 U				55	5.7	32	73	1 U	0.97	4.4	1 U	1 U					
	07/15/92		0.5 U	1 U	1 U	1 U							1 U				53	2.3	12	17	1 U	1 U		1.4					
	10/15/92		0.5 U	1 U	1 U	1 U							1 U	1 U			98	4.5	22	48	1 U	2.2		1 U	7				
	01/15/93		0.5 U	1 U	1 U	1 U							2 U	2 U			73	4.9	28	67	2 U	2 U		2 U	2 U				
	04/22/93		1.2 U	2.5 U	90	5.6			1.1	1 U	1 U	1 U	1 U	1 U	1 U	23	2.7	9	17	1 U	1 U		1 U	1.3 I	1 U	1 U	1 U		
	07/13/93		5 U	10 U	210	10 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	43	6.7	23	7.9	1 U	1 U		1 U	1.2 IB	1 U	1 U	1 U		
	10/13/93		0.82	1 U	7.2	1 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	44	5.5	19	4.8	2 U	2 U		2 U	2 U	2 U	2 U	2 U		
	01/11/94		1.4	1 U	33	1 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	53	6.7	39	9.8	2 U	2 U		2 U	2 U	2 U	2 U	2 U		
	04/12/94		2.5 U	5 U	200	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	96	15	67	20	5 U	5 U		5 U	5 U	5 U	5 U	5 U		
	07/19/94		0.88	1 U	7.7	1.2			5 U	5 U	5 U	5 U	5 U	5 U	5 U	140	8.5	57	7	5 U	5 U		5 U	5 U	5 U	5 U	5 U		
	10/12/94		0.5 U	1 U	5.1	5.5			2 U	2 U	2 U	2 U	2 U	2 U	2 U	98	4.5	28	7.8	2 U	2 U		2 U	2 U	2 U	2 U	2 U		
	01/18/95		0.5 U	7	8.7	10			10 U	10 U	10 U	10 U	10 U	10 U	10 U	170	10 U	43	10 U	10 U	10 U		10 U	10 U	10 U	10 U	10 U		
	04/18/95		0.5 U	1 U	1.3	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	26	1.5	19	29	1 U	1.1		1 U	3.2 B	1 U	1 U	1 U		
	07/11/95		0.5 U	1 U	2.1	3.4			2 U	2 U	2 U	2 U	2 U	2 U	2 U	53	5.7	55	24	2 U	2 U		2.3	2 U	2 U	2 U	2 U		
	10/10/95		0.74	1 U	3.8	1.4			10 U	10 U	10 U	10 U	10 U	10 U	10 U	98	11	76	22	10 U	10 U		10 U	10 U	10 U	10 U	10 U		
	01/31/96		1	4.2	4.9	10			5 U	5 U	5 U	5 U	5 U	5 U	5 U	85	6.8	47	13	5 U	5 U		5 U	5 U	5 U	5 U	5 U		
	04/16/96		0.5 U	1.3	11	14			2 U	2 U	2 U	2 U	2 U	2 U	2 U	37	3.4	24	41	2 U	2 U		2 U	2 U	2 U	2 U	2 U		
	07/16/96		1	1 U	1.6	2.7			10 U	10 U	10 U	10 U	10 U	10 U	10 U	87	10 U	93	35	10 U	10 U		10 U	10 U	10 U	10 U	10 U		
	10/08/96		0.96	1 U	1.4	1.5			5 U	5 U	5 U	5 U	5 U	5 U	5 U	150	9.9	74	32	5 U	5 U		5.1	5 U	5 U	5 U	5 U		
	01/14/97		0.5 U	1 U	1.7	2.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	95	7.5	31	30	1 U	1.2		2.6	1 U	1 U	1 U	1 U		
	04/16/97		0.5 U	1.1	1.2	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	63	8.5	64	65	1 U	1.7		2.6	1 U	1 U	1 U	1 U		
	07/09/97		0.56	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	54	9.1	61	79	1 U	1 U		1.7	1 U	1 U	1 U	1 U		
	10/15/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	85	12	57	65	1 U	1.4		3.3	1 U	1 U	1 U	1 U		
	01/14/98		0.5 U	2.2	5.2	6.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	97	10	38	24	1 U	1.6		1 U	1 U	1 U	1 U	1 U		
	04/22/98		0.5 U	1 U	1.6	1.8			1 U	1 U																			

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Phibro-Tech, Inc.

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Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Isopropylbenzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCI4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm	
MW-09	01/09/03	K	2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	9	5 U	5 U	390	100	290	110	2.5 U	150	11	5 U	170	2.5 U	5 U	5 U	25 U		
	04/25/03		2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	6	5.6	5 U	240	55	180	180	2.5 U	80	12	5 U	25 U	2.5 U	5 U	5 U	25 U		
	04/25/03	K	2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5.5	5.8	5 U	250	58	200	170	2.5 U	86	13	5 U	25 U	2.5 U	5 U	5 U	25 U		
	07/31/03		5 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	480	120	370	330	5 U	160	20	10 U	84	5 U	10 U	10 U	50 U			
	07/31/03	K	2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	9	7.2	5 U	460	120	390	310	2.5 U	170	22	5 U	81	2.5 U	5 U	5 U	25 U		
	10/22/03		5 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	150	38	130	140	5 U	74	10 U	10 U	190	5 U	10 U	10 U	50 U			
	10/22/03	K	1 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	4.1	2 U	2 U	130	32	120	140	1 U	66	4.3	2 U	140	1 U	2 U	2 U	10 U		
	01/23/04		0.5 U	1 U	1 U	2 U	1 U	1 U	1.6	1 U	1 U	1 U	5.6	1.4	1 U	95	27	94	26	0.5 U	38	4.9	1 U	14	0.5 U	1 U	1 U	5 U	
	01/23/04	K	0.5 U	1 U	1 U	2 U	1 U	1 U	1.7	1 U	1 U	1 U	5.9	1.7	1 U	100	28	99	26	0.5 U	41	5.5	1 U	12	0.5 U	1 U	1 U	5 U	
MW-10	01/15/89		0.5 U	0.5 U	0.54	0.5 U			0.2 U	0.01 U	0.01 U	0.2 U	1.2	0.2 U	0.2 U	32	0.2 U	2.8	3.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	
	04/15/89		0.7 U	1 U	1 U	7			1 U	1 U	1 U		5	1 U	1 U	23	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	07/15/89		7 U	10 U	10 U	30			10 U	10 U	10 U	10 U	10 U	10 U	10 U	180	15	12	150	10 U	10 U	10 U	10 U	38	10 U	10 U	10 U	10 U	
	10/15/89		5 U	10 U	190	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	70	10 U	10 U	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
	01/15/90								5 U	5 U	5 U	2 U	2 U	2 U	2 U	8.4	9.9	80	2 U	2 U			20 U	2 U	2 U	2 U	2 U	2 U	
	04/15/90		2.5 U	2.5 U	200	5 U			2.5 U	2.5 U	2.5 U	1 U	1 U	1 U	1 U	93	5.6	4.9	90	1 U	1 U			10 U	1 U	1 U	1 U	1 U	1 U
	07/15/90		125 U	200	6500	1500			125 U	125 U	125 U	50 U	50 U	50 U	50 U	240	50 U	50 U	310	50 U	50 U	50 U	50 U	500 U	50 U	50 U	50 U	50 U	50 U
	10/15/90		0.5 U	330	1330	980			1 U							1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW-11	01/15/89		0.5 U	0.5 U	43	1.5			0.2 U	0.01 U	0.01 U	0.2 U	0.2 U	0.2 U	0.2 U	34	0.2 U	3.2	21	0.2 U	0.88	0.2 U	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/89		500 U	7500	2600	11000			5 U	5 U	5 U	5 U	5 U	5 U	5 U	39	20	8.8	12	5 U	15	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	07/15/89		7 U	10 U	10 U	90			1 U	1 U	1 U	1 U	1 U	1 U	1 U	29	2	4	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/15/89		5 U	10 U	200	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	35	10 U	10 U	70	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
	01/15/90								5 U	5 U	5 U	2 U	2 U	2 U	2 U	46	2 U	5.5	28	2 U	2 U			20 U	2 U	2 U	2 U	2 U	2 U
	04/15/90		2.5 U	2.6	370	150			2.5 U	2.5 U	2.5 U	1 U	1 U	1 U	1 U	33	1 U	1 U	23	1 U	1 U			10 U	1 U	1 U	1 U	1 U	1 U
	07/15/90		25 U	440	1000	760			25 U	25 U	25 U	10 U	10 U	10 U	10 U	65	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U	10 U
	10/15/90		0.5 U	15000	3000	10000			1 U							1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	01/15/91		0.5 U	15	4	12									1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	04/15/91		0.5 U	8500	1 U	7500									1 U	1 U			63	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	
	07/15/91		0.5 U	57	520	22									1 U				61	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	22	
	10/15/91		0.5 U	140	2000	660									1 U				110	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	01/15/92														1 U	3.4			85	7.9	8.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/15/92		0.5 U	1.7	130	2.3	1.2								0.58				0.78		70	4.7	8.1	0.8	1 U	1.3 BI	1 U	1 U	1 U
	07/15/92		0.5 U	1 U	17	1 U										1 U				160	6.1	19	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/15/92		0.5 U	1 U	11	1 U																							

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm			
MW-13S	07/14/93		0.5 U	4	16	27			1 U	1 U	1 U	1 U	1 U	1 U	1 U	30	3.3	35	19	1 U	1 U	3.9	2.3 IB	1 U	1 U	1 U					
	10/15/93		0.5 U	1 U	13	3			2 U	2 U	2 U	2 U	2 U	2 U	2 U	18	2 U	9.7	71	2 U	2 U	2 U	2 U	2 U	2 U	2 U					
MW-14D	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U					
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U					
MW-14S	10/15/90		0.5 U	1 U	1750	1 U		1 U					1 U	1 U	180	28	20	48	1 U	1 U	1 U	1 U	1 U	40							
	01/15/91		0.5 U	1 U	2	1 U						1 U	1 U	108	15	13	38	1 U	1 U	1 U	1 U	1 U	1 U	13							
	04/15/91		0.5 U	1 U	3300	1 U						1 U	1 U	84	22	1 U	24	1 U	1 U	1 U	1 U	1 U	1 U	31							
	07/15/91		0.5 U	1 U	31	1 U						1 U	1 U	55	7.2	1 U	12	1 U	1 U	1 U	1 U	1 U	1 U	26							
	10/15/91		0.5 U	1 U	410	1 U						1 U	1 U	81	15	11	19	1 U	1 U	1 U	1 U	1 U	1 U	1 U							
	01/15/92		0.5 U	1 U	1 U	1 U	1 U					1 U	1 U	59	20	8.9	9.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U							
	04/15/92		0.5 U	1 U	1 U	1 U	1 U					0.6		56	11	7	5.6	1 U	1.6	0.86	1 U	1 U	1 U	1							
	07/15/92		0.6	1 U	1 U	1 U	1 U					1 U		44	5.8	4.4	1.2	1 U	1 U	1.4			2.6								
	10/15/92		0.5 U	1 U	1 U	1 U						1 U	1 U	71	9.4	8.1	3.9	1 U	2.3	1 U	1 U	1 U	1 U	3.5							
	01/15/93		0.5 U	1 U	1 U	1 U						1 U	1 U	56	7.4	5.3	1.8	1 U	5.1	1 U	1 U	1 U	1 U	2.1							
04/22/93			0.5 U	24	40	55			1 U	1 U	1 U	1 U	1 U	1 U	1 U	18	2.3	1.4	1 U	2.3	3.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
07/13/93			0.5 U	1.3	1.2	3.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	2.8	1.9	1 U	2.1	5.4	1 U	1.7 IB	1 U	1 U	1 U	1 U	1 U	1 U		
10/14/93			0.5 U	1 U	2.1	3.7			1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	3.3	2.6	1 U	4.4	6.2	1 U	1.41	1 U	1 U	1 U	1 U	1 U	1 U		
01/12/94			0.5 U	1 U	3.2	1.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	21	3	2.2	1 U	4.3	6.7	1 U	1.21	1 U	1 U	1 U	1 U	1 U	1 U		
04/13/94			0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	29	3.1	2.7	1 U	11	16	1 U	1.21	1 U	1 U	1 U	1 U	1 U	1 U		
07/20/94			0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	15	1.8	1 U	1 U	11	8.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
10/11/94			0.53	1 U	1 U	1 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	58	9.2	8	2 U	12	17	2 U	2 U	2 U	2 U	2 U	2 U	2 U			
02/08/95			50 U	100 U	3000	690			1 U	1 U	1 U	1 U	1 U	1 U	1 U	50	6.2	7.8	3.3	10	11	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
04/18/95			2.5 U	76	120	190			1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	20	2.9	2.5	1 U	17	16	1 U	4.2 B	1 U	1 U	1 U	1 U	1 U	1 U	
07/12/95			0.5 U	2.8	26	12			1 U	1 U	1 U	1 U	1.5	1 U	1 U	22	3	2.6	1 U	14	14	1 U	1.51	1 U	1 U	1 U	1 U	1 U	1 U		
10/11/95			0.5 U	1 U	2.1	2			2 U	2 U	2 U	2 U	2 U	2 U	2 U	35	5.7	4.8	2 U	28	27	2 U	2.4	2 U	2 U	2 U	2 U	2 U	2 U		
02/01/96			1 U	4.7	87	58			2 U	2 U	2 U	2 U	2 U	2 U	2 U	42	6.5	8.8	2 U	12	11	2 U	2 U	2 U	2 U	2 U	2 U	2 U			
04/17/96			2.5 U	54	120	110			2 U	2 U	2 U	2 U	2 U	2 U	2 U	51	7.7	7.7	6.7	32	27	2 U	3.1	2 U	2 U	2 U	2 U	2 U	2 U		
07/17/96			0.58	1 U	20	10			2 U	2 U	2 U	2 U	2 U	2 U	2 U	37	5.8	5.3	4.9	26	22	2 U	2 U	2 U	2 U	2 U	2 U	2 U			
10/08/96			0.5 U	1 U	13	2.9			2 U	2 U	2 U	2 U	2 U	2 U	2 U	61	9.6	11	3.1	29	20	2 U	2 U	2 U	2 U	2 U	2 U	2 U			
01/15/97			2.5 U	5 U	470	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	90	20	19	19	42	24	5 U	5 U	5 U	5 U	5 U	5 U	5 U			
04/16/97			0.58	2.9	91	36			1 U	1 U	1 U	1 U	2.2	1 U	1 U	45	8.3	9.6	9	26	21	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U		
07/10/97			0.5 U	1 U	14	1 U			1 U	1 U	1 U	1 U	4.4	1 U	1 U	35	6.7	7.1	4.2	19	17	1 U	1.4	1 U	1 U	1 U	1 U	1 U	1 U		
10/16/97			0.5 U	1 U	20	1.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	57	17	20	1.2	34	25	1 U	2.3	1 U	1 U	1 U	1 U	1 U	1 U		
01/15/98			0.5 U	1.1	19	5			1 U	1 U	1 U	1 U																			

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Isopropylbenzene	1,2-DBE	Chlorobenzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloroethane	Chloromethane	DCFm			
MW-15D	10/16/97		0.5 U	1 U	14	1.4			1 U	1 U	1 U	1 U	1.5	1 U	1 U	3.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	01/15/98		0.5 U	1 U	7.6	2.3			1 U	1 U	1 U	1 U	1.4	1 U	1 U	3.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	04/23/98		0.5 U	1 U	44	4			1 U	1 U	1 U	1 U	1.9	1 U	1 U	5.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	10/21/98		0.5 U	1 U	26				1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	01/15/99		1 U	1 U	12 U	1.6 U							1				25 U	2.3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/15/99		1 U	1 U	12 U	1.6 U							13 U	1 U	1 U	25 U	2.3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	07/15/99		1 U	1 U	34 U	1 U							13 U	1 U		9 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	10/15/99		1 U	1 U	6 U	2 U							1.5 U	1 U		5.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	01/15/00		1 U	1 U	1 U	1 U							5.3 U			9.7 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	04/15/00		1 U	1 U	1 U	1 U							7.4 U			13 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	10/15/00		1.8 U	1 U	2.9 U	1 U							4 U	1 U		8.7 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	04/15/01		1 U	1 U	11 U	2.1 U							5.4 U	1 U		12 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	07/19/01		1 U	1 U	2.5	1 U			1 U	1 U	1 U	1 U	1.8	1 U	1 U	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	
	10/17/01		2.2	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	2.4	1 U	1 U	6.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	
	01/16/02		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	8	1 U	1 U	6.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U
	04/17/02		1.1	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1.6	1 U	1 U	6.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	
	07/25/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U
	10/22/02		1.2	1 U	3.8	4.9			1 U	1 U	1 U	1 U	2.4	1 U	1 U	6.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	
	01/08/03		1.3	1 U	7.7	2.3	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	11	1 U	1 U	1	2	0.52	1.1	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U		
	04/23/03		2.3	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	7.6	1 U	1 U	1.3	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U	5 U		
	07/30/03		1.4	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	4.1	1 U	1 U	8.1	1 U	1 U	0.77	0.5 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U	5 U			
	10/21/03		1.9	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	5.3	1 U	1 U	0.6	0.5 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U	5 U			
	01/22/04		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	3	1 U	1 U	0.5 U	0.5 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U	5 U			
MW-15S	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		21	1 U	1 U	16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	01/15/91		0.5 U	4	1.6	4							1 U	1 U		13	1	1 U	9.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/15/91		0.5 U	1 U	4100	1 U							1 U	1 U		28	1.5	1 U	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.1	7.1		
	07/15/91		0.5 U	1 U	1 U	1 U							1 U			17	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	2				
	10/15/91		0.5 U	1 U	1 U	1 U							1 U			13	1.1	0.71	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	01/15/92		0.5 U	1 U	1 U	1 U	1 U	1 U					1 U	1 U		15	1 U	1 U	1 U	1	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/15/92		0.5 U	1 U	1 U	1 U	1 U	1 U		1 U			0.61			4.1	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	07/15/92		0.5 U	1 U	1 U	1 U							1 U			2.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	
	10/15/92		0.5 U	1 U	1 U	1 U							1 U	1 U		7.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	01/15/93		0.5 U	1 U	1 U	1 U							1 U	1 U		9	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	04/21/93		0.5 U	14	10	22			1 U	1 U</td																					

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Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm	
MW-14S	04/15/00		3.2 U	2 U	110 U	2 U							2 U			60 U	13 U	19 U	96 U	6.1 U	5 U	13 U	2 U	2 U					
	10/15/00		5 U	5 U	230 U	5 U							5 U	5 U		170 U	39 U	49 U	37 U	25 U	25 U	11 U	5 U	5 U					
	04/15/01		2.1 U	2 U	8.6 U	2 U							2 U	2 U		130 U	27 U	36 U	12 U	28 U	23 U	6.7 U	2 U	2 U					
	07/19/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.2	1 U	1 U	35	5.5	7.4	3.5	2.2	2.2	2.1	1 U	1 U	2 U	2 U	2 U		
	10/17/01		2 U	2 U	2.4	2 U			2.3	2 U	2 U	2 U	2.4	2 U	2 U	170	39	56	6.4	22	23	5.2	2 U	2 U	4 U	4 U	4 U		
	01/16/02		50 U	50 U	2700	1100			50 U	50 U	50 U	50 U	50 U	50 U	50 U	91	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U		
	04/17/02		2 U	2 U	2 U	3.8			2 U	2 U	2 U	2 U	2 U	2 U	2 U	130	30	41	13	18	18	5.3	2 U	2 U	4 U	4 U	4 U		
	07/25/02		25 U	25 U	860	50 U			25 U	25 U	25 U	25 U	25 U	25 U	25 U	150	39	43	25 U	25 U	25 U	25 U	25 U	50 U	50 U	50 U	50 U		
	10/23/02		5 U	5 U	14	10 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	360	71	85	6.9	15	28	9	5 U	5 U	10 U	10 U	10 U		
	12/30/02		1.2 J	10 U	130	110 U		10 U	1.8 J	10 U	10 U	10 U	1.7 J	10 U	10 U	190	35	50	56	7.2 J	13	12	10 U	2.7 J	10 U	10 U	10 U	10 U	
	04/24/03		2.6	4 U	240	15.4	6	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	160	37	47	36	6.6	12	10	4 U	20 U	2 U	4 U	4 U	20 U	
	07/30/03		1.4	1 U	49	2 U	1.6	1 U	3.1	1 U	1 U	1 U	3.3	1 U	1 U	200	59	79	19	11	26	8.5	1 U	5 U	0.5 U	1 U	1 U	5 U	
	10/23/03		20 U	20 U	80	40 U			20 U	20 U	20 U	20 U	20 U	20 U	20 U	490	90	110	46	50 U	37	20 U	20 U	50 U	50 U	50 U	50 U	50 U	
	01/22/04		2 U	4 U	4 U	8 U	4 U	4 U	4.5	4 U	4 U	4 U	5.4	4 U	4 U	480	76	100	36	16	34	13	4 U	20 U	2 U	4 U	4 U	20 U	
MW-15D	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	01/15/91		0.5 U	1.3	1 U	1 U							1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/15/91		0.5 U	1 U	1 U	1 U							1 U	1 U		1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.1	1 U		
	07/15/91		0.5 U	1 U	1 U	1 U							1 U			1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U		
	10/15/91		0.5 U	1 U	1 U	1 U							7			1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	01/15/92												1 U	1 U		2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/15/92		0.5 U	1 U	1 U	1 U	1 U						1.4			1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	07/15/92		0.5 U	1 U	1 U	1 U							1 U			1.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U		
	10/15/92		0.5 U	1 U	1 U	1 U							1.3			2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	01/15/93		0.5 U	13	18	38							1.6			2.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/21/93		0.5 U	42	29	71							1 U			2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6 IB	1 U		
	07/14/93		1.1	5.3	2.4	8.5							1 U			4.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	10/14/93		0.5 U	1 U	1 U	1 U							1 U			2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	01/12/94		0.88	1 U	1 U	1 U							1 U			1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/13/94		0.5 U	1 U	1 U	1 U							1 U			1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	07/20/94		0.5 U	1 U	1 U	1 U							1 U			2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	10/12/94		0.5 U	1.4	1.1	8.3							1 U			1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	01/18/95		1.1	1 U	15	6.8							1 U			2.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/19/95		2.5 U	14	32	50							1 U			2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	07/12/95		0.5 U	1 U	6.3	5							1 U			2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	10/11/95		0.5 U	1 U	1 U	1 U							1 U			1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	02/01/96		0.5 U	1.2	16	14							1 U			1 U	1 U												

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm
MW-16	07/20/94		25 U	50 U	1300	730			5 U	5 U	5 U	5 U	5 U	5 U	5 U	76	19	140	23	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
	10/13/94		0.5 U	1.5	2.4	9.7			10 U	10 U	10 U	10 U	10 U	10 U	10 U	91	29	260	71	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
	01/16/95		0.5 U	1 U	1 U	1 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	17	5 U	56	54	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
	04/19/95		5 U	16	36	55			10 U	10 U	10 U	10 U	10 U	10 U	10 U	34	10 U	110	65	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
	07/13/95		10 U	20 U	540	20 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	67	13	97	99	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
	10/11/95		0.5 U	1 U	1.8	1.3			10 U	10 U	10 U	10 U	10 U	10 U	10 U	60	22	230	74	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
	02/01/96		0.5 U	1 U	11	9.7			10 U	10 U	10 U	10 U	10 U	10 U	10 U	26	14	130	140	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
	04/17/96		0.5 U	9.8	30	33			5 U	5 U	5 U	5 U	5 U	5 U	5 U	36	7.3	120	97	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
	07/17/96		0.5 U	1 U	6.6	3.6			25 U	25 U	25 U	25 U	25 U	25 U	25 U	110	25 U	230	100	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	
	10/09/96		5 U	49	130	230			10 U	10 U	10 U	10 U	10 U	10 U	10 U	73	10 U	340	98	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
	01/15/97		1 U	4.6	23	2 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	32	16	150	82	2 U	2 U	2.4	2 U	2 U	2 U	2 U	2 U	
	04/17/97		1 U	2 U	7.2	2.4			2 U	2 U	2 U	2 U	2 U	2 U	2 U	31	6.8	81	110	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	
	07/10/97		1.2 U	2.5 U	6.5	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	3.1	2.5 U	2.5 U	30	7.4	82	150	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	
	10/16/97		2.5 U	5 U	8.2	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	53	24	260	110	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
	01/15/98		0.5 U	1 U	12	3.8			1 U	1 U	1 U	1 U	1.8	1 U	1 U	29	13	92	57	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	
	04/23/98		0.5 U	1 U	28	2.7			1 U	1 U	1 U	1 U	1.2	1 U	1 U	29	11	98	44	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
	07/15/98		0.5 U	1 U	6 U	1.8 U										28 U												
	10/21/98		2.5 UD	5 UD	16 D	5 U			5 UD	5 UD	5 UD	5 UD	5 UD	5 UD	5 UD	58 D	19 D	270 D	100 D	5 UD	5 UD	5.1 D	5 UD	5 UD	5 UD	5 UD	5 UD	
	01/15/99		1 U	2 U	6.1 U	2 U									2 U		36 U	20 U	180 U	41 U	2 U	2 U	3.4 U	2 U				
	04/15/99																		41 U									
	04/15/99		2 U	2 U	6.1 U	2 U									2 U	2 U	2 U	39 U	20 U	180 U	2 U	2 U	13 U	3.4 U	2 U			
	07/15/99		2 U	2 U	33 U	2 U									22 U	2 U	29 U	13 U	130 U	26 U	2 U	2 U	12 U	3.2 U	2 U			
	10/15/99		2 U	2 U	2 U	10 U									5 U	5 U	42 U	30 U	220 U	26 U	5 U	5 U	41 U	8.4 U	5 U			
	01/15/00		1 U	1 U	1 U	1 U									1 U		18 U	14 U	69 U	7.5 U	1 U	1 U	15 U	3.4 U	1 U			
	04/15/00		2 U	2 U	2 U	2 U									2 U		26 U	11 U	97 U	7.4 U	2 U	2 U	7.6 U	2 U	2 U			
	10/15/00		2.5 U	2.5 U	7 U	2.5 U									2.5 U	2.5 U	36 U	10 U	130 U	43 U	2.5 U	2.5 U	14 U	2.6 U	2.5 U			
	04/15/01		2 U	2 U	39	11.6 U									2 U	2 U	36 U	11 U	97 U	75 U	2 U	2 U	8 U	2 U	2 U			
	07/19/01		2.5 U	2.5 U	2.7	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	26	7.3	72	160	2.5 U	2.5 U	7.2	2.5 U	2.5 U	5 U	5 U	5 U	
	10/18/01		2 U	2 U	41	2 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	34	13	130	49	2 U	2 U	14	2.8	2 U	4 U	4 U	4 U	4 U
	01/17/02		2 U	2 U	2 U	2 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	31	11	100	39	2 U	2 U	8.3	2 U	2 U	4 U	4 U	4 U	4 U
	04/18/02		2 U	2 U	2 U	4 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	37	10	110	90	2 U	2 U	6.5	2 U	2 U	4 U	4 U	4 U	4 U
	07/26/02		5 U	5 U	5 U	10 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	47	22	220	35	5 U	5 U	27	5.5	5 U	10 U	10 U	10 U	10 U
	10/24/02		2 U	2 U	2 U	4 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	25	16	120	13	2 U	2 U	20	4.2	2 U	4 U	4 U	4 U	4 U
	01/09/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	20	11	75	8.1	0.5 U	1 U	14	2.7	5 U	0.59	1 U	1 U	5 U
	04/24/03		0.5 U	1 U	8.3	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	20	7	63	14	0.5 U	1 U	6.1						

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm			
MW-15S	07/12/95		0.5 U	2.5	18	12			1 U	1 U	1 U	1 U	2	1 U	1 U	5.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	10/11/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.4	1 U	1 U	3.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	02/01/96		0.5 U	1.8	25	22			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U	1.9	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	04/17/96		0.5 U	13	40	45			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U	2.5	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	07/17/96		0.5 U	1 U	9.7	5.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.2	1 U	1 U	1 U	2	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	10/08/96		0.5 U	1 U	2.9	2.6			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.3	1 U	1 U	1 U	3.8	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	01/15/97		0.5 U	5.5	69	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.1	1 U	1 U	1 U	4.7	3.3	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	04/17/97		0.5 U	9.3	21	8.5			1 U	1 U	1 U	1 U	1 U	4.1	1 U	1 U	3.3	1 U	1 U	1 U	2	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U		
	07/10/97		0.5 U	1 U	8.2	1.3			1 U	1 U	1 U	1 U	3.4	1 U	1 U	4.1	1 U	1 U	1 U	2.6	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	10/16/97		0.5 U	1 U	17	1.7			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.2	1 U	1 U	1 U	2.2	3.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	01/15/98		0.5 U	1 U	12	3.7			1 U	1 U	1 U	1 U	1.4	1 U	1 U	5	1 U	1 U	1 U	4.2	2.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	04/23/98		0.5 U	1 U	60	7.2			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.1	1 U	1 U	25	1.4	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	07/15/98		0.5 U	1 U	10 U	2.9 U									3.4 U																
	10/21/98		0.5 U	1 U	45	12 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.9	1 U	1 U	4.5	3	3.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U			
	01/15/99		0.5 U	1 U	23 U	2.2 U									1.1		7 U	1 U	1 U	75 U	1.7 U	2.9 U	1 U	1 U							
	04/15/99		1 U	1 U	23 U	2.2 U									1.3 U	1 U	1 U	4.2 U	1 U	1 U	75 U	1.7 U	2.9 U	1 U	1 U						
	07/15/99		1 U	1 U	29 U	23 U									6.1 U	1 U	3.9 U	1 U	1 U	34 U	2.5 U	4.2 U	1 U	1 U							
	10/15/99		2 U	2 U	12 U	2 U									2 U	2 U	6.7 U	2 U	2 U	110 U	2 U	2.1 U	2 U	2 U							
	01/15/00		1 U	1 U	9.3 U	1 U									1 U		25 U	5.3 U	10 U	23 U	1 U	2.9 U	13 U	1 U							
	04/15/00		1 U	1 U	1 U	1 U									1.3 U		17 U	2.5 U	6.2 U	78 U	1 U	1.8 U	9.8 U	1 U							
	10/15/00		1 U	1 U	17 U	1 U									1.3 U	1 U	6.7 U	1 U	1 U	37 U	3.9 U	6.8 U	2.3 U	1 U							
	04/15/01		1 U	1 U	1 U	1 U									1.3 U	1 U	3 U	1 U	1 U	16 U	2.2 U	4.3 U	1 U	1 U							
	07/19/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	5.1	1 U	1 U	11	2.1	4	1 U	1 U	1 U	2 U	2 U	2 U	2 U		
	10/17/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	2.8	1 U	1 U	8.2	2	3.5	1 U	1 U	1 U	2 U	2 U	2 U	2 U		
	01/16/02		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	2.7	1 U	1 U	8.6	1.4	2.9	1 U	1 U	1 U	2 U	2 U	2 U	2 U		
	04/17/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	2.9	1 U	1 U	3	2.9	4	1 U	1 U	12	2 U	2 U	2 U	2 U		
	07/24/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	4.4	1 U	1 U	3	1.3	2.8	1 U	1 U	1 U	2 U	2 U	2 U	2 U		
	10/23/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	13	1.3	2.5	2.8	3.6	9.7	1 U	1 U	1 U	2 U	2 U	2 U	2 U		
	01/08/03		0.53	1 U	6	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	22	2.9	6.3	14	0.5 U	1 U	6.9	1 U	5 U	0.5 U	1 U	1 U	5 U			
	04/24/03		0.5	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.2	1 U	1 U	12	0.5 U	2	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U			
	07/30/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	5.1	1 U	1 U	13	4.5	21	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U			
	10/22/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	21	2.4	2.7	22	2	11	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U			
	01/22/04		0.61	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	1 U	1 U	85	15	26	79	0.5 U	5.4	10	1 U	5 U	0.5 U	1 U	1 U	5 U			
MW-16	04/15/92		0.5 U	0.69	1	1.6	1 U		1 U				0.86			52	15	140	120	1 U	0.88	13	2.4								

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCI4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFm
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Notes:

PCA = Tetrachloroethane; PCE = Tetrachloroethene; TCE = Trichloroethene; TCA = Trichloroethane; DCE = Dichloroethene; DCA = Dichloroethane; DCB = Dichlorobenzene; CFM = Chloroform; DCFM = Dichlorodifluoromethane; DBE - Dibromoethane; MCL = Methylene chloride; and CCI4 = Carbon tetrachloride.

California Maximum Contaminant Levels (MCLs) are shown in parenthesis. MCL shown for chloroform is the sum of trihalomethane isomers

All concentrations are reported in micrograms per liter (ug/L).

Only compounds detected in one or more samples are listed.

E = Indicates that the reported concentration is above the calibration range for the instrument. Concentration reported is an estimate only.

J = Indicates detected concentration is below analytical calibration curve, and is below the official reporting limit. Concentration reported is an estimate only.

M-HA = Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.

M2 = The MS and/or MSD were below acceptance limits due to sample matrix interference.

RL-3 = Reporting Limit elevated due to interference from other analytes.

U = Not detected at a concentration greater than the reporting limit shown.

Sample Type:

K = Split sample

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-01D	10/15/90					10 U		5 U		12	20 U	20 U				40 U					44
	01/15/91							5 U		25	20 U	20 U				40 U					20 U
	04/15/91		7.1					5 U		12	20 U	20 U									
	07/15/91		7.4					5 U		10 U	20 U	20 U									
	10/15/91		7.45					5 U		10 U	20 U	20 U									
	04/15/92		7.9					5 U		10 U	20 U	20 U									
	07/15/92		7.3					5 U		10 U	20 U	20 U									
	10/15/92		7.4					5 U		10 U	20 U	20 U									
	01/15/93		7.6					5 U		10 U	20 U	20 U									
	04/19/93		7.8					5 U		10 U	20 U	21									
	07/12/93		7.6					5 U		10 U	20 U	20 U									
	10/12/93		7.6					5 U		10 U	20 U	20 U									
	01/10/94		7.4					5 U		10 U	20 U	20 U									
	04/11/94		7.4					5 U		10 U	20 U	20 U									
	07/18/94		7.4					5 U		10 U	20 U	20 U									
	10/10/94		7.4					5 U		10 U	20 U	20 U									
	01/17/95		7.3					5 U		10 U	20 U	20 U									
	04/17/95		7.4					5 U		10 U	20 U	20 U									
	07/10/95		7.4					5 U		10 U	20 U	20 U									
	10/09/95		7.5					5 U		10 U	20 U	20 U									
	01/30/96		7.4					5 U		10 U	20 U	20 U									
	04/15/96		7.6					5 U		10 U	20 U	20 U									
	07/15/96		7.4					5 U		10 U	20 U	20 U									
	10/07/96		7.4					5 U		10 U	20 U	20 U									
	01/13/97		7.4					5 U		10 U	20 U	20 U									
	04/15/97		7.5					5 U		10 U	20 U	20 U									
	07/08/97		7.6					5 U		10 U	20 U	20 U									
	10/14/97		7.4					5 U		10 U	20 U	20 U									
	01/13/98		7.4					5 U		10 U	20 U	20 U									
	04/21/98		7.6					5 U		10 U	20 U	20 U									
	07/15/98		7.5					5 U		10 U		20 U									
	10/20/98		7.2					5 U		10 U		20 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-01D	01/15/99		7.2					5 U		10 U		20 U									
	04/15/99		7.4					5 U		10 U		25 U									
	07/15/99		7.6					5 U		10 U	20 U	25 U									
	10/15/99		7.2					5 U		10 U		25 U									
	01/15/00		7.3					5 U		10 U		25 U									
	04/15/00		7.5					5 U		10 U	10 U	25 U									
	10/15/00		7.5					5 U		10 U	20 U	25 U									
	04/15/01		7.3					5 U		10 U		25 U									
	07/17/01		7.3					5 U		10 U	5.5	25 U									
	10/16/01		7.4					5 U		10 U	2 U	25 U									
	01/15/02		7.5					5 U		10 U	2 U	25 U									
	04/16/02		7.5					5 U		10 U	2 U	25 U									
	07/24/02		7.5					5 U		10 U	5	25 U									
	10/22/02		7.4					5 U		10 U	1 U	25 U									
	01/08/03		7.29					5 U		1.5 J	1 U	22									
	04/23/03		7.14					5 U		5 U	1 U	10 U									
	07/30/03		7.55					5 U		24	1 U	13									
	10/21/03		7.44					5 U		5 U	1 U	21									
	01/21/04		7.39					5 U		5 U	1 U	10 U									
MW-01S	01/15/89		7.1					3 U		14 U	10 U	9 U									15
	04/15/89							10 U		100	50 U	20 U									20 U
	07/15/89		7.11					10 U		60	50 U	30									60
	10/15/89							10 U		20 U	50 U	50 U									110
	01/15/90		7.03					10 U		10 U	20 U	20 U									20
	04/15/90		6.96					5 U		20 U	20 U	20 U									20
	07/15/90		7.25					10 U		10 U	20 U	30									30
	10/15/90			10 U				5 U		10 U	20 U	23									23
	01/15/91							5 U		10 U	20 U	20 U									51
	04/15/91		7.3					5 U		10 U	20 U	20 U									
	07/15/91		7					5 U		10 U	20 U	20 U									
	10/15/91		7.01					5 U		10	20 U	20									
	04/15/92		7.3					5 U		10 U	20 U	20 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-01S	07/15/92		7.1					5 U		10 U	20 U	20 U									
	10/15/92		6.9					5 U		10 U	20 U	35									
	01/15/93		7.1					5 U		10 U	20 U	20 U									
	04/19/93		7					5 U		10 U	20 U	20 U									
	07/12/93		7					5 U		10 U	20 U	20 U									
	10/12/93		6.8					5 U		10 U	20 U	20 U									
	01/10/94		6.8					5 U		10 U	20 U	20 U									
	04/11/94		6.8					5 U		10 U	20 U	20 U									
	07/18/94		7.1					5 U		10 U	20 U	20 U									
	10/10/94		6.8					5 U		10 U	20 U	20 U									
	01/16/95		6.8					5 U		10 U	20 U	20 U									
	04/17/95		7.1					5 U		10 U	20 U	20 U									
	07/10/95		7					5 U		10 U	20 U	20 U									
	10/09/95		6.7					5 U		10 U	20 U	20 U									
	01/30/96		6.8					5 U		10 U	20 U	20 U									
	04/15/96		7.1					5 U		10 U	20 U	20 U									
	07/15/96		6.8					5 U		10 U		20 U									
	10/07/96		6.7					5 U		10 U	20 U	20 U									
	01/13/97		6.8					5 U		10 U	20 U	22									
	04/15/97		6.8					5 U		10 U	20 U	20 U									
	07/08/97		6.6					5 U		10 U	20 U	20 U									
	10/14/97		6.6					5 U		10 U	20 U	23									
	01/13/98		6.7					5 U		10 U	20 U	20 U									
	04/21/98		6.8					5 U		10 U	20 U	21									
	07/14/98		6.6					5 U		10 U	20 U	20 U									
	10/19/98		6.9					5 U		10 U	20 U	20 U									
	01/15/99		6.7					5 U		10 U	10 U	20 U									
	04/15/99		6.9					5 U		10 U	25 U	25 U									
	07/15/99		7					5 U		10 U	20 U	52									
	10/15/99		6.8					5 U		10 U	10 U	25 U									
	01/15/00		7					5 U		10 U	20 U	25 U									
	04/15/00		6.9					5 U		10 U	10 U	25 U									
	10/15/00		6.9					5 U		10 U	20 U	25 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-01S	04/15/01		6.6					5 U		10 U	2 U	25 U									
	07/17/01		6.6					5 U		10 U	2 U	25 U									
	10/16/01		6.8					5 U		10 U	6.2	25 U									
	01/15/02		7.1					5 U		10 U	20 U	25 U									
	04/16/02		7.1					5 U		10 U	2 U	25 U									
	07/24/02		7					5 U		10 U	1.8	25 U									
	10/22/02		6.9					5 U		10 U	1 U	25 U									
	01/08/03		6.78					5 U		2.4 J	1 U	10 U									
	04/23/03		6.86					10 RL-3,U		10 RL-3,U	1 U	20 RL-3,U									
	07/29/03		6.76					10 RL-3,U		10 RL-3,U	1 U	30 RL-3									
MW-02	10/21/03		6.94					5 U		5 U	1 U	10 U									
	01/21/04		6.91					5 U		5 U	1 U	10 U									
	01/15/89		7.5					3 U		22	17	9 U									6 U
	04/15/89							10 U		50	50 U	20 U									20 U
	07/15/89		7.32					10 U		60	50 U	20 U									40
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.7					10 U		10 U	20 U	20 U									10 U
	04/15/90		7.33					5 U		20 U	20 U	20 U									10
	07/15/90		7.58					10 U		10 U	20 U	30									40
	10/15/90					10 U		5 U		10 U	20 U	20 U									55
MW-03	01/15/91							5 U		10	20 U	20 U									20 U
	01/15/89		7.1					3 U		14 U	10 U	9 U									6 U
	04/15/89							10 U		70	50 U	20 U									20 U
	07/15/89		7.05					10 U		60	50 U	20 U									200
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.41					10 U		10 U	20 U	20 U									10 U
	04/15/90		6.7					5 U		20 U	20 U	20 U									10 U
	07/15/90		7.14					10 U		10 U	20 U	20 U									30
	10/15/90					10 U		5 U		10 U	20 U	20 U									20 U
	01/15/91							5 U		10 U	20 U	20 U									20 U
MW-01S	04/15/91		7.3					5 U		10 U	20 U	20 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-03	07/15/91		7.6					5 U		10 U	20 U	20 U									
	10/15/91		7.19					5 U		10 U	20 U	30									
	04/15/92		7.8					5 U		10 U	20 U	20 U									
	07/15/92		7.2					5 U		23	20 U	130									
	10/15/92		7.2					5 U		10 U	20 U	38									
	01/15/93		7.4					5 U		10 U	20 U	96									
	04/20/93		7.2					5 U		10 U	20 U	20 U									
	07/12/93		7.4					5 U		10 U	20 U	20 U									
	10/12/93		7.2					5 U		10 U	20 U	20 U									
	01/11/94		6.6					5 U		10 U	400	20 U									
	04/12/94		7.2					5 U		10 U	20 U	20 U									
	07/18/94		7.3					5 U		10 U	20 U	20 U									
	10/11/94		7					5 U		10 U	20 U	20 U									
	01/17/95		7.1					5 U		10 U	20 U	20 U									
	04/17/95		7.2					5 U		10 U	20 U	20 U									
	07/11/95		7.3					5 U		10 U	20 U	20 U									
	10/10/95		7.2					5 U		10 U	20 U	20 U									
	01/30/96		7.4					5 U		10 U	20 U	20 U									
	04/15/96		7.3					5 U		10 U	20 U	20 U									
	07/16/96		7.4					5 U		10 U		20 U									
	10/08/96		7.2					5 U		10 U	20 U	20 U									
	01/14/97		7.2					5 U		10 U	20 U	20 U									
	04/15/97		7.2					5 U		10 U	20 U	20 U									
	07/09/97		7.2					5 U		10 U	20 U	20 U									
	10/15/97		7.2					5 U		10 U	20 U	20 U									
	01/13/98		7.2					5 U		10 U	20 U	20 U									
	04/22/98		7.5					5 U		10 U	20 U	20 U									
	07/15/98		7.3					5 U		10 U	20 U	20 U									
	10/20/98		7.1					5 U		10 U	20 U	20 U									
	01/15/99		7.2					5 U		10 U	20 U	20 U									
	04/15/99		7.2					5 U		10 U	25 U	25 U									
	07/15/99		7.3					5 U		10 U	20 U	25 U									
	10/15/99		7.1					5 U		10 U	10 U	25 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-03	01/15/00		7.2					5 U		10 U	20 U	25 U									
	04/15/00		7.2					5 U		10 U	10 U	25 U									
	10/15/00		7.3					5 U		10 U	20 U	25 U									
	04/15/01		7.1					5 U		17 U	0.69	25 U									
	07/17/01		7					5 U		10 U	2 U	25 U									
	10/17/01		7.1					5 U		10 U	2 U	25 U									
	01/16/02		7.2					5 U		10 U	2 U	25 U									
	04/16/02		7.1					5 U		10 U	2 U	25 U									
	07/24/02		7.1					5 U		10 U	1 U	25 U									
	10/22/02		7.2					5 U		10 U	1 U	25 U									
	01/08/03		6.98					5 U		5 U	1 U	10									
	04/23/03		7.08					5 U		5 U	1 U	10 U									
	07/29/03		7.09					5 U		5 U	1 U	10 U									
	10/21/03		7.3					5 U		5 U	1 U	10 U									
	01/21/04		7.12					5 U		5 U	1 U	10 U									
MW-04	01/15/89		7.1					3 U		400000	33000	9 U									7
	04/15/89							50		100000	43000	20 U									20 U
	07/15/89		6.67					80		98000	120000	60									90
	10/15/89							70		120000	110000	50 U									40
	01/15/90		6.7					120		95100	109000	20 U									10 U
	04/15/90		6.59					130		80700	81700	20 U									10 U
	07/15/90		6.68					350		101000	100000	20 U									40
	10/15/90			49				23		48400	58900	22									51
	01/15/91							260		65300	49400	20 U									98
	04/15/91		7					76		18400	23800	20 U									
	07/15/91		6.7					610		78500	39100	20 U									
	10/15/91		6.91					210		40800	42000	20 U									
	04/15/92		6.8					840		29200	32200	53									
	07/15/92		6.6					860		59700	79900	20 U									
	10/15/92		6.8					320		27100	21600	20 U									
	01/15/93		7					280		27400	16400	20 U									
	04/20/93		7.3					5 U		2400	2100	20 U									

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Phibro-Tech, Inc.
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Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-04	07/13/93		7					190		23300	18700	53									
	10/13/93		6.9					710 G		80300 G	35500	200 UG									
	10/14/93		7.1					5 U		10 U	40 UG	20 U									
	01/11/94		7.2					260		35700	20 U	20 U									
	04/13/94		6.8					330		26400	26900	20 U									
	07/19/94		6.8					200		41400	59000	38									
	10/11/94		6.5					450		52800	60700	20 U									
	01/18/95		6.7					130		34300	28800 a	26									
	04/18/95		7					210		9100	8600	52									
	07/12/95		6.7					270		29600	28100	100									
	10/10/95		6.7					380		28900	20 U	20 U									
	01/31/96		7.1					190		32400	25700	20 U									
	04/16/96		6.9					600		38000	32200	20 U									
	07/16/96		7					280		58900		20 U									
	10/09/96		6.8					460 G		75700 G	63800	40 UG									
	01/14/97		6.8					540		34500	45900	20 U									
	04/16/97		6.9					530		18800	27300	20 U									
	07/09/97		6.8					620		35200	36000	20 U									
	10/16/97		6.6					640 G		85300 G	73800	80 UG									
	01/14/98		6.9					530		44000	39200	20 U									
	04/22/98		7.3					420		14100	7800	20 U									
	07/15/98		7					320		19000	16300 U	20 U									
	10/21/98		6.8					450		36200	34100 U	25									
	01/15/99		6.7					580 U		42800 U	570 U	50 U									
	04/15/99		6.7					410 U		42800	4600	50 U									
	04/15/99	K									5700 U										
	07/15/99		6.9					420 U		49700 U	41100 U	50 U									
	10/15/99		6.5					590 U		105000	58200	75 U									
	01/15/00		6.7					320 U		60000 U	76300 U	50 U									
	04/15/00		6.9					550 U		39300 U	32900 U	50 U									
	10/15/00		7					520 U		42100 U	45600 U	50 U									
	04/15/01		6.8					380 U		16800 U	11000 U	25 U									
	07/18/01		6.9					320		12600	15000	25 U									

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Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-04	07/18/01	K	6.8					310		11900	14000	25 U									
	10/18/01		6.9					440		39800	32000	50 U									
	10/18/01	K	6.8					400		28900	33000	50 U									
	01/17/02		6.7					410		24400	18000	50 U									
	01/17/02	K	6.9					350		18900	18000	25 U									
	04/18/02		6.8					440		27400	31000	50 U									
	04/18/02	K	6.8					430		26300	31000	50 U									
	07/25/02		6.7					500		32700	25100	120 U									
	07/25/02	K	6.7					490		29800	30500	120 U									
	10/23/02		6.7	20 RL-3,U	10 RL-3,U	340	8 RL-3,U	600	20 RL-3,U	29000	32600	120 U	10 RL-3,U	1.2	40 RL-3,U	20 RL-3,U	16	20 RL-3,U	10 RL-3,U	20 RL-3,U	40 RL-3,U
	10/23/02	K	6.7	20 RL-3,U	10 RL-3,U	660	8 RL-3,U	630	20 RL-3,U	30600	30300	120 U	10 RL-3,U	1.4	40 RL-3,U	20 RL-3,U	10 RL-3,U	20 RL-3,U	10 RL-3,U	20 RL-3,U	160
	12/30/02		7.39					260		9200	11000	20 RL-3,U									
	12/30/02	K	6.71					250		9400	9400	20 RL-3,U									
	04/25/03		6.92					290		16000	14000	20 RL-3,U									
	04/25/03	K	6.99					290		16000	20000	20 RL-3,U									
	07/30/03		6.88					410		30000	29000	30 RL-1,U									
	07/30/03	K	6.83					470		37000	33000	50 RL-1,U									
	10/23/03		6.85	20 RL-1,U	15	440	8 RL-1,U	240	20 RL-1,U	21000	20000	20 RL-1,U	10 RL-1,U	1.4	40 RL-1,U	20 RL-1,U	10 RL-1,U	20 RL-1,U	10 RL-1,U	20 RL-1,U	46
	10/23/03	K	6.74	20 RL-3,U	10 RL-3,U	260	8 RL-3,U	210	20 RL-3,U	18000	21000	20 RL-3,U	10 RL-3,U	0.95	40 RL-3,U	20 RL-3,U	10 RL-3,U	20 RL-3,U	23	20 RL-3,U	40 RL-3,U
	01/23/04		6.71					320		22000	28000	20 RL-1,U									
	01/23/04	K	6.78					270		16000	29000	20 RL-1,U									
MW-04A	01/15/89		7.7					3 U		14 U	10 U	9 U									8
	04/15/89							10 U		50	50 U	20 U									20 U
	07/15/89		7.44					10 U		130	50 U	20 U									80
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.41					10 U		10 U	20 U	20 U									10 U
	04/15/90		7.38					5 U		20 U	20 U	20 U									10 U
	07/15/90		7.77					10 U		10 U	20 U	30									40
	10/15/90			33				5 U		38	20 U	20 U									700
	01/15/91							5 U		10 U	20 U	20 U									20 U
	04/15/91		7.4					5 U		10 U	20 U	20 U									
	07/15/91		7.6					5 U		10 U	20 U	20 U									

Table B-2
Phibro-Tech, Inc.
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Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-04A	10/15/91		7.33					5 U		10 U	20 U	20 U									
	04/15/92		7.6					5 U		10 U	20 U	20 U									
	07/15/92		7.4					30		10 U	20 U	20 U									
	10/15/92		7.7					5 U		11	20 U	31									
	01/15/93		7.6					5 U		10 U	20 U	20 U									
	04/20/93		7.4					5 U		10 U	20 U	20 U									
	07/13/93		7.5					5 U		10 U	20 U	30									
	10/13/93		7.5					5 U		10 U	20 U	20 U									
	01/11/94		7.4					5 U		120	20 U	20 U									
	04/13/94		7.5					5 U		10 U	20 U	20 U									
	07/19/94		7.5					5 U		53	20 U	23									
	10/12/94		7.3					5 U		10 U	20 U	22									
	01/18/95		7.4					5 U		10 U	20 U	20 U									
	04/18/95		7.4					5 U		10 U	20 U	20 U									
	07/12/95		7.4					5 U		10 U	20 U	20 U									
	10/10/95		7.4					5 U		10 U	20 U	20 U									
	01/31/96		7.5					5 U		21	20 U	21									
	04/16/96		7.4					5 U		27	20 U	20 U									
	07/16/96		7.6					5 U		18		20 U									
	10/09/96		7.6					5 U		24	20 U	20 U									
	01/14/97		7.5					5 U		18	20 U	20 U									
	04/16/97		7.5					5 U		16	20 U	20 U									
	07/09/97		7.6					5 U		13	20 U	20 U									
	10/16/97		7.4					5 U		15	20 U	20 U									
	01/14/98		7.7					5 U		20	20 U	20 U									
	04/22/98		7.8					5 U		18	20 U	20 U									
	07/15/98		7.5					5 U		10 U		20 U									
	10/20/98		7.6					5 U		22		20 U									
	01/15/99		7.54					5 U		12	10 U	25 U									
	04/15/99		7.54					5 U		12	10 U	25 U									
	07/15/99		7.6					5 U		10 U	20 U	25 U									
	10/15/99		7.1					5 U		10 U		25 U									
	01/15/00		7.8					5 U		15		25 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-04A	04/15/00		7.6					5 U		10 U	10 U	25 U									
	10/15/00		6.8					5 U		10 U	20 U	25 U									
	04/15/01		7.3					5 U		10 U	5.6	25 U									
	07/18/01		7.2					5 U		10 U	5.5	25 U									
	10/17/01		7.5					5 U		10 U	7.7	25 U									
	01/16/02		5.9					5 U		10 U	5.2	25 U									
	04/17/02		7.3					5 U		10 U	6.8	25 U									
	07/25/02		7.6					5 U		10 U	6.2	25 U									
	10/23/02		7.3					5 U		10 U	6.1	25 U									
	01/09/03		7.29					5 U		8.9	5.8	23									
	04/24/03		7.17					5 U		7.7	5.5	35									
	07/30/03		6.92					5 U		5 U	2.9	24									
MW-05	10/21/03		7.02					5 U		5 U	1 U	25									
	01/22/04		7.3					5 U		5 U	2.7	30									
	01/15/89		7.4					3 U		14 U	10 U	9 U									6 U
	04/15/89							10 U		40	50 U	20 U									20 U
	07/15/89		6.83					10 U		40	50 U	20 U									90
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.03					10 U		10 U	20 U	20 U									10 U
	04/15/90		7.12					5 U		20 U	20 U	20 U									20
	07/15/90		7.08					10 U		10 U	20 U	20 U									20
MW-06B	10/15/90					10 U		5 U		10 U	20 U	20 U									200
	01/15/91							5 U		10 U	20 U	20 U									2700
	01/15/89		7.4					3 U		14 U	10 U	9 U									21
	04/15/89							10 U		60	50 U	20 U									20 U
	07/15/89		7.3					10 U		40	50 U	20 U									90
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.36					10 U		10 U	20 U	20 U									20
MW-06B	04/15/90		7.65					5 U		20 U	20 U	20 U									10 U
	10/15/90				33			5 U		12	20 U	20 U									58
	01/15/91							5 U		10 U	20 U	20 U									24

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-06B	04/15/92		7.4					5 U		14	20 U	20 U									
	07/15/92		7.4					5 U		19	20 U	54									
	10/15/92		7.4					5 U		10 U	20 U	20 U									
	01/15/93		7.5					5 U		11	20 U	38									
	04/21/93		6.9					5 U		14	20 U	20 U									
	07/13/93		7.6					5 U		10 U	20 U	20 U									
	10/13/93		7.4					5 U		11	20 U	20 U									
	01/11/94		7.4					5 U		10 U	20 U	20 U									
	04/12/94		7.3					5 U		10 U	20 U	20 U									
	07/19/94		7.4					5 U		10 U	20 U	20 U									
	10/12/94		7.2					5 U		10 U	20 U	20 U									
	01/17/95		7.3					5 U		10 U	20 U	20 U									
	04/18/95		7.3					5 U		10 U	20 U	20 U									
	07/11/95		7.4					5 U		10 U	20 U	20 U									
	10/10/95		7.3					5 U		10 U	20 U	20 U									
	01/30/96		7.4					5 U		10 U	20 U	20 U									
	04/16/96		7.4					5 U		11	20 U	20 U									
	07/16/96		7.5					5 U		10 U		20 U									
	10/08/96		7.1					5 U		10 U	20 U	20 U									
	01/14/97		7.4					5 U		10 U	20 U	20 U									
	04/16/97		7.3					5 U		10 U	20 U	20 U									
	07/09/97		7.4					5 U		10 U	20 U	20 U									
	10/15/97		7					5 U		10 U	20 U	20 U									
	01/14/98		7.3					5 U		10 U	20 U	20 U									
	04/22/98		7.6					5 U		10 U	20 U	20 U									
	07/15/98		7.4					5 U		10 U	20 U	20 U									
	10/20/98		7.1					5 U		10 U	20 U	20 U									
	01/15/99		7.01					5 U		10 U	10 U	20 U									
	04/15/99		7.01					5 U		10 U	10 U	25 U									
	07/15/99		7.4					5 U		10 U	20 U	25 U									
	10/15/99		7.2					5 U		10 U	10 U	25 U									
	01/15/00		7.4					5 U		10 U	20 U	25 U									
	04/15/00		7.4					5 U		10 U	10 U	25 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-06B	10/15/00		7.6					5 U		10 U	20 U	25 U									
	04/15/01		7.2					5 U		10 U	5.1	25 U									
	07/16/01		7.2					5 U		10 U	5.3	25 U									
	10/17/01		7.5					5 U		10 U	4.9	25 U									
	01/16/02		7.4					5 U		10 U	5.1	25 U									
	04/17/02		7.4					5 U		10 U	6.6	25 U									
	07/25/02		7.4					5 U		10 U	3.6	25 U									
	10/23/02		7.3					5 U		10 U	1 U	25 U									
	01/09/03		7.18					5 U		9.7	6.8	10 U									
	04/24/03		7.43					5 U		7.8	7.3	10 U									
	07/30/03		7.73					5 U		5 U	4.3 O-09	10									
	10/22/03		7.63					5 U		5 U	1 U	10 U									
	01/22/04		7.17					5 U		5 U	1 U	10 U									
MW-06D	10/15/90					31		5 U		10 U	20 U	20				40 U					78
	01/15/91							5 U		10 U	20 U	20 U				40 U					22
	04/15/92		7.3					5 U		10 U	20 U	20 U									
	07/15/92		7.3					5 U		10 U	20 U	20 U									
	10/15/92		7.4					5 U		10 U	20 U	20 U									
	01/15/93		7.4					5 U		12	20 U	95									
	04/21/93		6.9					5 U		12	20 U	20 U									
	07/13/93		7.7					5 U		10 U	20 U	20 U									
	10/13/93		7.4					5 U		11	20 U	20 U									
	01/11/94		7.3					5 U		10 U	20 U	20 U									
	04/12/94		7.3					5 U		10 U	20 U	20 U									
	07/19/94		7.4					5 U		10 U	20 U	20 U									
	10/12/94		7.3					5 U		10 U	20 U	20 U									
	01/18/95		7.4					5 U		10 U	20 U	20 U									
	04/18/95		7.4					5 U		10 U	20 U	20 U									
	07/11/95		7.4					5 U		10 U	20 U	20 U									
	10/10/95		7.4					5 U		10 U	20 U	20 U									
	01/30/96		7.4					5 U		10 U	20 U	20 U									
	04/16/96		7.5					5 U		10 U	20 U	20 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
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Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-06D	07/16/96		7.5					5 U		10 U		20 U									
	10/08/96		7.5					5 U		10 U	20 U	20 U									
	01/14/97		7.4					5 U		10 U	20 U	20 U									
	04/16/97		7.4					5 U		10 U	20 U	20 U									
	07/09/97		7.4					5 U		10 U	20 U	20 U									
	10/15/97		7.4					5 U		10 U	20 U	31									
	01/14/98		7.4					5 U		10 U	20 U	24									
	04/22/98		7.7					5 U		10 U	20 U	20 U									
	07/15/98		7.4					5 U		10 U		20 U									
	10/20/98		7.4					5 U		10 U		20 U									
	01/15/99		7.26					5 U		10 U	10 U	25 U									
	04/15/99		7.26					5 U		10 U	10 U	25 U									
	07/15/99		7.5					5 U		10 U	20 U	25 U									
	10/15/99		7.3					5 U		10 U	10 U	25 U									
	01/15/00		7.4					5 U		10 U	20 U	25 U									
	04/15/00		7.5					5 U		10 U	10 U	25 U									
	10/15/00		7.5					5 U		10 U	20 U	25 U									
	04/15/01		7.3					5 U		10 U	2.6	25 U									
	07/18/01		7.3					5 U		10 U	2.4	25 U									
	10/17/01		7.6					5 U		10 U	2 U	25 U									
	01/16/02		7.4					5 U		10 U	2 U	25 U									
	04/17/02		7.5					5 U		10 U	2.7	25 U									
	07/25/02		7.4					5 U		10 U	1.5	25 U									
	10/23/02		7.4					5 U		10 U	2.5	43									
	01/08/03		7.41					5 U		2 J	1.8	12									
	04/24/03		7.23					5 U		5 U	2.1	10 U									
	07/30/03		7.28					5 U		5 U	2.3 O-08	14									
	10/22/03		7.84					5 U		5 U	2	14									
	01/22/04		7.35					5 U		5 U	3	10 U									
MW-07	01/15/89		9.1					3 U		14 U	10 U	9 U									6 U
	04/15/89							10 U		20 U	50 U	20 U									20 U
	07/15/89		7.68					10 U		30	50 U	20 U									40 U

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Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-07	10/15/89							10 U		20 U		50 U		50 U							20 U
	01/15/90		7.69					10 U		10 U		20 U		20 U							10 U
	04/15/90		7.91					5 U		20 U		20 U		20 U							10 U
	07/15/90		7.57					10 U		10 U		20 U		20 U							20
	10/15/90					10 U		5 U		10 U		20 U		20 U							190
	01/15/91							5 U		10 U		20 U		20 U							94
	04/15/91		7.4					5 U		10 U		20 U		20 U							
	07/15/91		7.2					5 U		10 U		20 U		20 U							
	10/15/91		7.22					5 U		10 U		20 U		10							
	04/15/92		7.2					5 U				13		20 U							
	07/15/92		7.1					5 U				95		20 U							
	10/15/92		7.1					5 U				63		20 U							
	01/15/93		7.1					5 U				33		20 U							
	04/22/93		7.1					5 U				11		20 U							
	07/13/93		7.3					5 U				10 U		20 U							
	10/13/93		6.6					5 U				10 U		200 UG							
	01/11/94		6.8					5 U				10 U		20 U							
	04/12/94		6.9					5 U				10 U		20 U							
	07/19/94		6.7					5 U				10 U		20 U							
	10/12/94		6.7					5 U				10 U		20 U							
	01/18/95		6.5					5 U				10 U		20 U							
	04/18/95		7					5 U				10 U		20 U							
	07/11/95		6.7					5 U				10 U		20 U							
	10/10/95		6.6					5 U				14		20 U							
	01/31/96		6.6					5 U				10 U		20 U							
	04/16/96		6.9					5 U				10 U		20 U							
	07/16/96		6.9					5 U				10 U									
	10/08/96		6.5					5 U				10 U		20 U							
	01/14/97		6.6					5 U				10 U		20 U							
	04/16/97		6.8					5 U				10 U		20 U							
	07/09/97		6.8					5 U				10 U		20 U							
	10/15/97		6.5					5 U				10 U		20 U							
	01/14/98		6.7					5 U				10 U		20 U							

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Historical Groundwater Analytical Results
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Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
MW-07	04/22/98		7.2					5 U		10 U	20 U	20 U										
	07/15/98		6.7					5 U		10 U	20 U	20 U										
	10/20/98		6.6					5 U		10 U	20 U	42										
	01/15/99		6.81					5 U		10 U	20 U	50 U										
	04/15/99		6.81					5 U		10 U	10 U	42 U										
	07/15/99		7					10 U		20 U	20 U	68 U										
	10/15/99		6.8					5 U		10 U	10 U	71 U										
	01/15/00		7.3					5 U		10 U	20 U	25 U										
	04/15/00		7					5 U		10 U	10 U	35 U										
	10/15/00		7.6					5 U		10 U	20 U	57 U										
	04/15/01		6.7					5 U		10 U	0.98	25 U										
	07/18/01		6.6					5 U		10 U	2 U	37										
	10/18/01		6.7					10 U		20 U	2 U	73										
	01/17/02		7.2					5 U		10 U	2 U	34										
	04/18/02		7.1					5 U		10 U	2 U	57										
	07/26/02		6.9					5 U		10 U	1 U	25 U										
	10/23/02		7.5	10 U	5 U	400	4 U	5 U	10 U	10 U	1 U	25 U	5 U	0.39	20 U	10 U	8.5	10 U	5 U	10 U	140	
	12/30/02		7.45					5 U		5 U	1 U	10 U										
	04/24/03		6.97					5 U		5 U	1 U	32										
	07/30/03		6.75					5 U		5 U	0.38 O-09	10 U										
	10/23/03		7.31	10 U	5 U	110	4 U	5 U	10 U	5 U	1 U	10 U	5 U	0.2 U	20 U	10 U	8.5	10 U	5 U	10 U	20 U	
	01/22/04		6.88					5 U		5 U	1 U	10 U										
MW-08	01/15/89		7.4					3 U		14 U	10 U	9 U									9	
	04/15/89							10 U		30	50 U	20 U									20 U	
	07/15/89		7.28					10 U		60	50 U	20 U									50	
	10/15/89							10 U		20 U	50 U	50 U									20 U	
	01/15/90		7.63					10 U		10 U	20 U	20 U									10 U	
	04/15/90		7.24					5 U		20 U	20 U	20 U									20	
	07/15/90		7.43					10 U		10 U	20 U	20 U									30	
	10/15/90					10 U		5 U		10 U	20 U	20 U								40 U		28
	01/15/91							5 U		10 U	20 U	20 U									40 U	780

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-09	01/15/89		7.3					3 U		330	450	9 U									8
	04/15/89							10 U		60	50 U	20 U									20 U
	07/15/89		7.18					10 U		170	50 U	20 U									80
	10/15/89							10 U		1800	2500	50 U									20 U
	01/15/90		7.41					10 U		2200	2280	20 U									20
	04/15/90		7.15					5 U		810	800	20 U									30
	07/15/90		7.32					10 U		40	30	20 U									30
	10/15/90					10 U		5 U		190	250	62									120
	01/15/91							5 U		85	124	20 U									460
	04/15/91		7.3					5 U		10 U	20 U	20 U									
	07/15/91		7.2					5 U		27	20 U	20 U									
	10/15/91		7.04					5 U		70	50	20 U									
	04/15/92		7.2					5 U		10 U	20 U	20 U									
	07/15/92		7.2					5 U		10 U	20 U	20 U									
	10/15/92		6.7					5 U		10 U	20 U	20 U									
	01/15/93		7.4					5 U		57	20 U	53									
	04/20/93		7					5 U		10 U	20 U	20 U									
	07/14/93		6.6					5 U		10 U	20 U	20 U									
	10/14/93		7					5 U		10 U	20 U	20 U									
	01/12/94		6.9					5 U		10 U	20 U	20 U									
	04/13/94		6.9					5 U		10 U	20 U	20 U									
	07/20/94		6.9					5 U		10 U	20 U	20 U									
	10/13/94		6.7					5 U		10 U	20 U	20 U									
	01/16/95		6.9					5 U		10 U	20 U	20 U									
	01/18/95		6.8					5 U		10 U	20 U	20 U									
	04/19/95		6.7					5 U		10 U	20 U	20 U									
	07/13/95		6.8					5 U		10 U	20 U	20 U									
	10/11/95		6.4					5 U		10 U	20 U	20 U									
	02/01/96		6.9					5 U		10 U	20 U	20 U									
	04/17/96		7.1					5 U		10 U	20 U	20 U									
	07/17/96		7.2					5 U		10 U		20 U									
	10/09/96		7					5 U		10 U	20 U	20 U									
	01/15/97		7					5 U		10 U	20 U	20 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-09	04/17/97		7.3					5 U		10 U	20 U	20 U									
	07/10/97		7.3					5 U		10 U	20 U	20 U									
	10/16/97		6.7					5 U		48	20 U	20 U									
	01/15/98		6.9					5 U		10 U	20 U	20 U									
	04/23/98		7.3					5 U		10 U	20 U	20 U									
	07/15/98							5 U		10 U	20 U	20 U									
	10/21/98		6.4					7.5		1300	3300 U	340									
	01/15/99		6.7					5 U		2400 U	3300 U	25 U									
	04/15/99		6.7					5 U		640 U	10 U	25 U									
	07/15/99		6.6					10 U		5600 U	5800 U	50 U									
	10/15/99		6.9					5 U		4200 U	4000 U	25 U									
	01/15/00		7					5 U		13900 U	14100 U	25 U									
	04/15/00		6.8					5 U		10 U	10 U	25 U									
	10/15/00		7.3					5 U		14 U	20 U	25 U									
	04/15/01		7					5 U		11 U	4.3 U	25 U									
	07/19/01		7					5 U		85	76	25 U									
	07/19/01 K		7					5 U		82	85	25 U									
	10/18/01		6.9					5 U		1300	1100	25 U									
	10/18/01 K		6.9					5 U		1400	1100	25 U									
	01/17/02		7.1					5 U		160	280	25 U									
	01/17/02 K		7.1					5 U		150	230	25 U									
	04/18/02		7.1					5 U		160	140	25 U									
	04/18/02 K		7.1					5 U		150	140	25 U									
	07/26/02		6.7					5 U		9100	10000	25 U									
	07/26/02 K		6.7					5 U		9300	10200	25 U									
	10/24/02		6.5					5 U		4500	4300	25 U									
	10/24/02 K		6.5					5 U		4800	4400	25 U									
	01/09/03		6.63					5 U		9600	9500	10 U									
	01/09/03 K		6.65					5 U		9700	9500	10 U									
	04/25/03		7.24					5 U		270	250	10 U									
	04/25/03 K		6.83					5 U		280	260	10 U									
	07/31/03		6.69					5 U		2200	2100	10 U									
	07/31/03 K		6.66					5 U		2200	2200	10 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-09	10/22/03		7.23					10 RL-1,U		13000	13000	20 RL-1,U									
	10/22/03	K	7.26					10 RL-1,U		13000	13000	20 RL-1,U									
	01/23/04		6.84					5 U		2400	2800	10 U									
	01/23/04	K	6.85					5 U		2400	2700	10 U									
MW-10	01/15/89		7.8					3 U		28	10 U	9 U									6 U
	04/15/89							10 U		80	50 U	20 U									20 U
	07/15/89		7.3					10 U		110	50 U	20 U									150
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.7					10 U		10 U	20 U	20 U									20
	04/15/90		7.48					5 U		20 U	20 U	20 U									10 U
	07/15/90		7.49					10 U		10 U	20 U	20 U									30
	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					80
	01/15/91							5 U		10 U	20 U	20 U				40 U					150
MW-11	01/15/89		7.6					3 U		14 U	10 U	9 U									6 U
	04/15/89							10 U		40	50 U	20 U									20 U
	07/15/89		7.43					10 U		20 U	50 U	130									50
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.77					10 U		10 U	20 U	20 U									10 U
	04/15/90		7.55					5 U		20 U	20 U	20 U									10 U
	07/15/90		7.62					10 U		10 U	20 U	30									40
	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					170
	01/15/91							5 U		10 U	20 U	20 U				40 U					69
	04/15/91		7.6					5 U		10 U	20 U	20 U									
	07/15/91		7.4					5 U		10 U	20 U	20 U									
	10/15/91		7.45					5 U		10 U	20 U	20 U									
	04/15/92		7.5					5 U		10 U	20 U	20 U									
	07/15/92		7.2					5 U		16	20 U	87									
	10/15/92		7.3					5 U		11	20 U	20 U									
	01/15/93		7.5					5 U		13	20 U	88									
	04/19/93		7.3					5 U		10 U	20 U	20 U									
	07/12/93		7.2					5 U		10 U	20 U	20 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-11	10/13/93		7.2					5 U		10 U	20 U	20 U									
	01/10/94		7.2					5 U		10 U	20 U	20 U									
	04/12/94		7.4					5 U		10 U	20 U	20 U									
	07/18/94		7.3					5 U		10 U	20 U	20 U									
	10/11/94		7.1					5 U		11	20 U	20 U									
	01/17/95		6.7					5 U		10 U	20 U	20 U									
	04/17/95		7.2					5 U		10 U	20 U	20 U									
	07/11/95		7.1					5 U		10 U	20 U	20 U									
	10/09/95		7.2					5 U		10 U	20 U	20 U									
	01/30/96		6.7					5 U		10 U	20 U	20 U									
	04/16/96		7					5 U		10 U	20 U	23									
	07/15/96		7.1					5 U		10 U	20 U										
	10/08/96		7.1					5 U		10 U	20 U	20 U									
	01/14/97		6.8					5 U		10 U	20 U	29									
	04/16/97		6.9					5 U		10 U	20 U	20 U									
	07/09/97		7.2					5 U		10 U	20 U	150									
	10/15/97		6.7					5 U		10 U	20 U	100									
	01/14/98		7.1					5 U		10 U	20 U	20 U									
	04/22/98		7.2					5 U		10 U	20 U	77									
	07/15/98		7.2					5 U		10 U	20 U	20 U									
	10/20/98		6.9					5 U		10 U	20 U	41									
	01/15/99		6.83					5 U		10 U	10 U	20 U									
	04/15/99		6.83					5 U		10 U	10 U	25 U									
	07/15/99		6.9					5 U		10 U	20 U	25 U									
	10/15/99		7					5 U		20 U	57 U	25 U									
	01/15/00		6.9					5 U		10 U	20 U	25 U									
	04/15/00		7					5 U		10 U	10 U	25 U									
	10/15/00		6.8					5 U		10 U	20 U	25 U									
	04/15/01		6.6					5 U		10 U	2 U	25 U									
	07/17/01		6.8					5 U		10 U	2 U	25 U									
	10/18/01		6.7					5 U		10 U	2 U	25 U									
	01/17/02		7.1					5 U		10 U	2 U	25 U									
	04/18/02		6.8					5 U		10 U	2 U	25 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-11	07/26/02		6.7					5 U		10 U	1 U	25 U									
	10/24/02		7.1	10 U	5 U	320	4 U	5 U	10 U	10 U	1 U	25 U	5 U	0.2 U	20 U	10 U	7.8	10 U	5 U	10 U	160
	12/30/02		7.03					5 U		5 U	1 U	10 U									
	04/25/03		7.29					5 U		5 U	1 U	10 U									
	07/31/03		6.73					5 U		5 U	1.2	10 U									
	10/23/03		7.23	10 U	5 U	220	4 U	5 U	10 U	5 U	1 U	10 U	5 U	0.2 U	20 U	10 U	5 U	10 U	5 U	10 U	130
	01/23/04		7.21					5 U		5 U	1 U	10 U									
MW-12	10/15/90					71		5 U		10 U	20 U	20 U									20 U
	01/15/91							5 U		10 U	20 U	20 U									20 U
MW-13D	10/15/90					10 U		5 U		10 U	20 U	20 U									91
	01/15/91							5 U		10 U	20 U	20 U									610
MW-13S	10/15/90					10 U		5 U		10 U	20 U	20 U									40
	01/15/91							5 U		14	20 U	20 U									20 U
	07/14/93		8.8					5 U		10 U	20 U	20 U									
MW-14D	10/15/90					10 U		5 U		10 U	20 U	20 U									56
	01/15/91							5 U		10 U	20 U	20 U									22
MW-14S	10/15/90					10 U		18		2200	3200	5300									1400
	01/15/91							7		940	400	1000									380
	04/15/91		7.2					5 U		410	390	150									
	07/15/91		7.3					5 U		310	20 U	110									
	10/15/91		7.4					5 U		230	130	50									
	04/15/92		7.3					5 U		160	130	41									
	07/15/92		7.4					5 U		330	99	560									
	10/15/92		7.4					5 U		540	160	720									
	01/15/93		7.5					5 U		240	56	330									
	04/22/93		7.3					5 U		14	20 U	26									
	07/13/93		7.6					5 U		20	20 U	23									
	10/14/93		7.5					5 U		10 U	20 U	21									
	01/12/94		7.2					5 U		15	20 U	22									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-14S	04/13/94		7.3					5 U		22	20 U	20 U									
	07/20/94		7.4					5 U		16	20 U	20 U									
	10/11/94		7.3					5 U		64	35	20 U									
	02/08/95		7.3					5 U		16	20 U	20 U									
	04/18/95		7.4					5 U		10 U	20 U	20 U									
	07/12/95		7.3					5.5		10 U	20 U	20 U									
	10/11/95		7.3					5 U		46	22	20 U									
	02/01/96		7.3					5 U		34	20 U	24									
	04/17/96		7.4					5 U		28	21	20 U									
	07/17/96		7.3					5 U		69		20 U									
	10/08/96		7.1					5 U		82	52	20 U									
	01/15/97		7.2					5 U		31	24	20 U									
	04/16/97		7.3					5.3		32	20 U	20 U									
	07/10/97		7.3					5 U		16	20 U	20 U									
	10/16/97		7.4					5 U		130	100	20 U									
	01/15/98		7.3					5 U		18	20 U	20 U									
	04/23/98		7.7					5 U		18	20 U	23									
	07/15/98							5 U		10 U	20 U	20 U									
	10/21/98		7.3					5 U		44	32 U	27									
	01/15/99		7.11					5 U		10 U	10 U	20 U									
	04/15/99		7.11					5 U		10 U	10 U	25 U									
	07/15/99		7.4					5 U		38 U	20 U	37 U									
	10/15/99		6.8					6 U		150 U	35 U	44 U									
	01/15/00		7.2					9.4		260 U	110 U	31 U									
	04/15/00		7.5					5 U		10 U	10 U	25 U									
	10/15/00		7.4					5 U		90 U	39 U	87 U									
	04/15/01		7.1					5 U		43 U	57 U	30 U									
	07/19/01		7.1					5 U		25	4.6	25 U									
	10/17/01		7.2					5 U		140	2 U	42									
	01/16/02		7.4					5 U		10 U	2 U	25 U									
	04/17/02		7.2					5 U		43	35	29									
	07/25/02		7.3					5 U		65	17	31									
	10/23/02		7	10 U	11	420	4 U	7.4	10 U	420	420	40	5 U	0.2 U	20 U	10 U	5 U	10 U	7.4	10 U	130

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Phibro-Tech, Inc.
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Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-14S	12/30/02		7.09					5 U		14	4.2	42									
	04/24/03		7.24					5 U		20	1 U	29									
	07/30/03		6.86					6.6		150	120	52									
	10/23/03		6.71	10 U	5 U	300	4 U	5 U	10 U	330	990	30	5 U	0.2 U	20 U	16	5 U	10 U	5 U	10 U	98
	01/22/04		6.7					10 RL-3,U		950	440	37									
MW-15D	10/15/90					36		5 U		10 U	20 U	20 U				40 U					41
	01/15/91							5 U		10 U	20 U	20 U				40 U					1800
	04/15/91		7.3					5 U		10 U	20 U	20 U									
	07/15/91		7.4					5 U		10 U	20 U	20 U									
	10/15/91		7.45					5 U		10	20 U	20 U									
	04/15/92		7.6					5 U		10 U	20 U	20 U									
	07/15/92		7.5					5 U		10 U	20 U	20 U									
	10/15/92		7.4					5 U		10 U	20 U	20 U									
	01/15/93		7.6					5 U		10 U	20 U	20 U									
	04/21/93		7					5.8		10 U	20 U	20 U									
	07/14/93		7.8					5 U		10 U	20 U	25									
	10/14/93		7.5					5 U		10 U	20 U	20 U									
	01/12/94		7.4					5 U		10 U	20 U	20 U									
	04/13/94		7.5					5 U		10 U	20 U	20 U									
	07/20/94		7.5					5 U		10 U	20 U	20 U									
	10/12/94		7.5					5 U		10 U	20 U	20 U									
	01/18/95		7.5					5 U		18	20 U	20 U									
	04/19/95		7.5					5 U		10 U	20 U	20 U									
	07/12/95		7.4					5 U		10 U	20 U	20 U									
	10/11/95		7.6					5 U		10 U	20 U	20 U									
	02/01/96		7.6					5 U		10 U	20 U	20 U									
	04/17/96		7.5					5 U		12	20 U	20 U									
	07/17/96		7.6					5 U		10 U	20 U	20 U									
	10/09/96		7.6					5 U		10 U	20 U	20 U									
	01/15/97		7.4					5 U		10 U	20 U	20 U									
	04/17/97		7.6					5 U		10 U	20 U	20 U									
	07/10/97		7.6					5 U		10 U	20 U	20 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-15D	10/16/97		7.9					5 U		10 U	20 U	20 U									
	01/15/98		7.6					5 U		10 U	20 U	20 U									
	04/23/98		7.9					5 U		10 U	20 U	20 U									
	10/21/98		7.7					5 U		10 U		20 U									
	01/15/99		7.34					5 U		35 U	10 U	25 U									
	04/15/99		7.34					5 U		35 U	10 U	25 U									
	07/15/99		7.5					5 U		10 U	20 U	25 U									
	10/15/99		7.4					5 U		10 U	10 U	25 U									
	01/15/00		8.4					5 U		10 U	20 U	25 U									
	04/15/00		7.5					5 U		13 U	16 U	25 U									
	10/15/00		7.8					5 U		10 U	20 U	25 U									
	04/15/01		7.5					5 U		25 U	14 U	25 U									
	07/19/01		7.3					5 U		13	8.1	25 U									
	10/17/01		7.6					5 U		10 U	2 U	25 U									
	01/16/02		7.6					5 U		10 U	8.1	25 U									
	04/17/02		7.5					5 U		10 U	2 U	25 U									
	07/25/02		7.6					5 U		10 U	4.7	25 U									
	10/22/02		7.5					5 U		10 U	1.6	25 U									
	01/08/03		7.52					5 U		3.1 J	1 U	17									
	04/23/03		7.48					5 U		5 U	1 U	10 U									
	07/30/03		7.26					5 U		5 U	0.3 O-09,U	10 U									
	10/21/03		7.72					5 U		5 U	1 U	10 U									
	01/22/04		7.2					5 U		5.6	6.4	10 U									
MW-15S	10/15/90					62		5 U		10 U	20 U	20 U				40 U					49
	01/15/91							5 U		10 U	20 U	20 U				40 U					46
	04/15/91		7.1					11		10 U	20 U	20 U									
	07/15/91		7.1					14		10 U	20 U	20 U									
	10/15/91		7.12					20		10	20 U	60									
	04/15/92		7.5					5 U		10 U	20 U	20 U									
	07/15/92		7.2					9.3		39	20 U	270									
	10/15/92		7.2					7.3		10 U	20 U	47									
	01/15/93		7.4					8.5		14	20 U	100									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-15S	04/21/93		6.8					5 U		13	20 U	20 U									
	07/14/93		7.4					5 U		10 U	20 U	20 U									
	10/14/93		7.3					5 U		10 U	40 UG	20 U									
	01/12/94		7.2					5 U		10 U	20 U	20 U									
	04/13/94		7.4					5 U		10 U	20 U	20 U									
	07/20/94		7.4					5 U		10 U	20 U	20 U									
	10/11/94		7.2					5 U		10 U	20 U	20 U									
	01/18/95		7.3					5 U		44	48	20 U									
	04/19/95		7.4					5 U		10 U	20 U	20 U									
	07/12/95		7.4					5 U		10 U	20 U	20 U									
	10/11/95		7.6					5 U		10 U	20 U	20 U									
	02/01/96		7.4					5 U		12	20 U	20 U									
	04/17/96		7.5					5 U		15	20 U	20 U									
	07/17/96		7.6					5 U		14		20 U									
	10/08/96		7.4					5 U		10 U	20 U	20 U									
	01/15/97		7.4					5 U		10 U	20 U	20 U									
	04/17/97		7.6					5 U		10 U	20 U	20 U									
	07/10/97		7.5					5 U		10 U	20 U	20 U									
	10/16/97		7.7					5 U		10 U	20 U	20 U									
	01/15/98		7.4					5 U		21	20 U	20 U									
	04/23/98		7.7					5 U		10 U	20 U	20 U									
	07/15/98							5 U		14 U	20 U	20 U									
	10/21/98		7.6					5 U		17	20 U	20 U									
	01/15/99		7.2					5 U		13 U	10 U	25 U									
	04/15/99		7.2					5 U		13 U	10 U	25 U									
	07/15/99		7.6					5 U		10 U	20 U	25 U									
	10/15/99		7.2					5 U		15 U	14 U	25 U									
	01/15/00		7.3					12 U		10 U	20 U	25 U									
	04/15/00		7.2					5 U		10 U	10 U	25 U									
	10/15/00		7.7					5 U		10 U	20 U	25 U									
	04/15/01		7.4					5 U		10 U	5.3 U	25 U									
	07/19/01		7.2					5 U		10 U	7.4	25 U									
	10/17/01		7.5					5 U		10 U	8.8	25 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-15S	01/16/02		7.5					5 U		11	9.1	25 U									
	04/17/02		7.4					5 U		10 U	10	25 U									
	07/24/02		7.4					5 U		10 U	6	25 U									
	10/23/02		7.4					5 U		10 U	3.5	25 U									
	01/08/03		7.22					5.3		4.2 J	4.2	10 U									
	04/24/03		7.19					5 U		6.4	5.9	10 U									
	07/30/03		7.02					5 U		5 U	2.2 O-09	10 U									
	10/22/03		7.7					5.7		5 U	1 U	10 U									
	01/22/04		7.06					13		5 U	1 U	10 U									
MW-16	04/15/92		7.2					5 U		10 U	20 U	20 U									20 U
	07/15/92		7.3					5 U		27	20 U	350									
	10/15/92		7.1					5 U		11	20 U	150									
	01/15/93		7.2					5 U		10 U	20 U	440									
	04/22/93		6.8					5 U		10 U	20 U	20 U									
	07/14/93		7.1					5.4		10 U	20 U	20 U									
	10/14/93		7.1					5 U		10 U	40 UG	20 U									
	01/12/94		6.9					5 U		10 U	20 U	20 U									
	04/13/94		6.9					5 U		10 U	20 U	20 U									
	07/20/94		6.8					5 U		10 U	20 U	20 U									
	10/13/94		6.8					5 U		10 U	20 U	20 U									
	01/16/95		6.9					5 U		10 U	20 U	20 U									
	04/19/95		6.9					5 U		10 U	20 U	20 U									
	07/13/95		7					5 U		10 U	20 U	20 U									
	10/11/95		6.8					5 U		10 U	20 U	20 U									
	02/01/96		7					5 U		10 U	20 U	20 U									
	04/17/96		7.1					5 U		10 U	20 U	20 U									
	07/17/96		7.1					5 U		10 U		20 U									
	10/09/96		7					5 U		10 U	20 U	20 U									
	01/15/97		7					5 U		10 U	20 U	20 U									
	04/17/97		7.3					5 U		10 U	20 U	20 U									
	07/10/97		7.3					5 U		10 U	20 U	20 U									
	10/16/97		7.2					5 U		10 U	20 U	20 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-16	01/15/98		7					5 U		10 U	20 U	20 U									
	04/23/98		7.4					5 U		10 U	20 U	23									
	07/15/98							5 U		10 U	20 U	31 U									
	10/21/98		7.1					5 U		10 U	20 U	20 U									
	01/15/99		6.9					5 U		10 U	20 U	25 U									
	04/15/99		6.9					5 U		10 U	10 U	25 U									
	07/15/99		7					5 U		10 U	20 U	25 U									
	10/15/99		6.7					5 U		10 U	10 U	25 U									
	01/15/00		7.2					5 U		10 U	20 U	25 U									
	04/15/00		7					5 U		10 U	10 U	25 U									
	10/15/00		7.3					5 U		10 U	20 U	300 U									
	04/15/01		7.1					5 U		10 U	0.33	25 U									
	07/19/01		7					5 U		10 U	3.1	25 U									
	10/18/01		7					5 U		10 U	2 U	25 U									
	01/17/02		7.2					5 U		110	96	25 U									
	04/18/02		7.1					5 U		12	2 U	25 U									
	07/26/02		7					5 U		10 U	1 U	25 U									
	10/24/02		6.9					5 U		10 U	5.1	25 U									
	01/09/03		6.84					5 U		5.7	4.3	10									
	04/24/03		7.12					5 U		5.1	4.1	10 U									
	07/31/03		6.82					5 U		5 U	4	10 U									
	10/22/03		7.34					5 U		5 U	1 U	10 U									
	01/23/04		6.98					5 U		5 U	2.6	10 U									

Notes:

All concentrations are reported in micrograms per liter (ug/l)

U = Not detected at a concentration greater than the reporting limit shown.

E = Indicates that the reported concentration is above the calibration range for the instrument. Concentration reported is an estimate only.

J = Indicates detected concentration is below analytical calibration curve, and is below the official reporting limit. Concentration reported is an estimate only.

M-HA = Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information

O-09 = This sample was received with the EPA recommended holding expired.

RL-1 = Reporting limit elevated due to matrix interference.

RL-3 = Reporting Limit elevated due to interference from other analytes.

Analyte not analyzed or not reported if left blank.

Sample Type:

K = Split sample

Appendix C

Del Mar Analytical Laboratory Reports

CDM



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LABORATORY REPORT

Prepared For: Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project: PhibroTech

Sampled: 01/21/04
Received: 01/21/04
Issued: 01/30/04

NELAP #01108CA CA ELAP #1197

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.*

CASE NARRATIVE

- SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.
- HOLDING TIMES: Holding times were met.
- PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
- QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
- COMMENTS: No significant observations were made.
- SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
INA1058-01	PTI-TB01-060	Water
INA1058-02	PTI-MW01D-060	Water
INA1058-03	PTI-MW01S-060	Water
INA1058-04	PTI-EB01-060	Water
INA1058-05	PTI-MW03-060	Water

A handwritten signature in black ink, appearing to read "Patty Mata".

Del Mar Analytical, Irvine
Patty Mata
Project Manager



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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-01 (PTI-TB01-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Bromobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromoform	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromochloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromodichloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromomethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
n-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
sec-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
tert-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Carbon tetrachloride	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Chlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloroform	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
2-Chlorotoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
4-Chlorotoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dibromochloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dibromomethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,4-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dichlorodifluoromethane	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	
1,1-Dichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichloroethane	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
1,1-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
2,2-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1-Dichloropropene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Ethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Hexachlorobutadiene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Isopropylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
p-Isopropyltoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Methylene chloride	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	

Del Mar Analytical, Irvine

Patty Mata

Project Manager



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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04

Received: 01/21/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-01 (PTI-TB01-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
n-Propylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Styrene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Tetrachloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Toluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,1-Trichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,2-Trichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Trichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Trichlorofluoromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,3-Trichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Vinyl chloride	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
o-Xylene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
m,p-Xylenes	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Surrogate: Dibromofluoromethane (80-120%)						91 %		
Surrogate: Toluene-d8 (80-120%)						110 %		
Surrogate: 4-Bromofluorobenzene (80-120%)						98 %		

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-02 (PTI-MW01D-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A22030	0.50	4.0	1	1/22/2004	1/23/2004	
Bromobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromoform	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromochloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromodichloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromomethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
n-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
sec-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Carbon tetrachloride	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Chlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloroform	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
2-Chlorotoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
4-Chlorotoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dibromochloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dibromomethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,4-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dichlorodifluoromethane	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	
1,1-Dichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichloroethane	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
1,1-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
2,2-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1-Dichloropropene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Ethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Hexachlorobutadiene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Isopropylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
p-Isopropyltoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Methylene chloride	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-02 (PTI-MW01D-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
n-Propylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Styrene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Tetrachloroethene	EPA 8260B	4A22030	1.0	5.7	1	1/22/2004	1/23/2004	
Toluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,1-Trichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,2-Trichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Trichloroethene	EPA 8260B	4A22030	1.0	10	1	1/22/2004	1/23/2004	
Trichlorofluoromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,3-Trichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Vinyl chloride	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
o-Xylene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
m,p-Xylenes	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>						91 %		
<i>Surrogate: Toluene-d8 (80-120%)</i>						109 %		
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>						98 %		

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Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-03 (PTI-MW01S-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Bromobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromoform	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromochloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromodichloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromomethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
n-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
sec-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
tert-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Carbon tetrachloride	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Chlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloroform	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
2-Chlorotoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
4-Chlorotoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dibromochloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dibromomethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,4-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dichlorodifluoromethane	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	
1,1-Dichloroethane	EPA 8260B	4A22030	1.0	1.4	1	1/22/2004	1/23/2004	
1,2-Dichloroethane	EPA 8260B	4A22030	0.50	0.68	1	1/22/2004	1/23/2004	
1,1-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A22030	1.0	1.4	1	1/22/2004	1/23/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
2,2-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1-Dichloropropene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Ethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Hexachlorobutadiene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Isopropylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
p-Isopropyltoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Methylene chloride	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	

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Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-03 (PTI-MW01S-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
n-Propylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Styrene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,1-Trichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,2-Trichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Vinyl chloride	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
o-Xylene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
m,p-Xylenes	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								
				94 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>								
				110 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								
				98 %				

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Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04

Received: 01/21/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-04 (PTI-EB01-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Bromobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromoform	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromochloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromodichloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromoform	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromomethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
n-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
sec-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
tert-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Carbon tetrachloride	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Chlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloroform	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
2-Chlorotoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
4-Chlorotoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dibromochloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dibromomethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,4-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dichlorodifluoromethane	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	
1,1-Dichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichloroethane	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
1,1-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
2,2-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1-Dichloropropene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Ethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Hexachlorobutadiene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Isopropylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
p-Isopropyltoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Methylene chloride	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-04 (PTI-EB01-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
n-Propylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Styrene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Tetrachloroethylene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Toluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,1-Trichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,2-Trichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Trichloroethylene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Trichlorofluoromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Vinyl chloride	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
o-Xylene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
m,p-Xylenes	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Surrogate: Dibromofluoromethane (80-120%)						96 %		
Surrogate: Toluene-d8 (80-120%)						110 %		
Surrogate: 4-Bromofluorobenzene (80-120%)						98 %		

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-05 (PTI-MW03-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A22030	0.50	1.8	1	1/22/2004	1/23/2004	
Bromobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromoform	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromochloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Bromodichloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
n-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
sec-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
tert-Butylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Carbon tetrachloride	EPA 8260B	4A22030	0.50	25	1	1/22/2004	1/23/2004	
Chlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Chloroform	EPA 8260B	4A22030	1.0	24	1	1/22/2004	1/23/2004	
Chloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
2-Chlorotoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
4-Chlorotoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dibromochloromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dibromomethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,4-Dichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Dichlorodifluoromethane	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	
1,1-Dichloroethane	EPA 8260B	4A22030	1.0	34	1	1/22/2004	1/23/2004	
1,2-Dichloroethane	EPA 8260B	4A22030	0.50	76	1	1/22/2004	1/23/2004	
1,1-Dichloroethene	EPA 8260B	4A22030	1.0	33	1	1/22/2004	1/23/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A22030	1.0	18	1	1/22/2004	1/23/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
2,2-Dichloropropane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1-Dichloropropene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
Ethylbenzene	EPA 8260B	4A22030	1.0	60	1	1/22/2004	1/23/2004	
Hexachlorobutadiene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Isopropylbenzene	EPA 8260B	4A22030	1.0	1.4	1	1/22/2004	1/23/2004	
p-Isopropyltoluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Methylene chloride	EPA 8260B	4A22030	5.0	ND	1	1/22/2004	1/23/2004	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04

Received: 01/21/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-05 (PTI-MW03-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
n-Propylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Styrene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,1-Trichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,1,2-Trichloroethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
Vinyl chloride	EPA 8260B	4A22030	0.50	ND	1	1/22/2004	1/23/2004	
o-Xylene	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
m,p-Xylenes	EPA 8260B	4A22030	1.0	ND	1	1/22/2004	1/23/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								
				97 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>								
				110 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								
				101 %				

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Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-02 (PTI-MW01D-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A22051	0.0050	ND	1	1/22/2004	1/22/2004	
Chromium	EPA 6010B-Diss	4A22051	0.0050	ND	1	1/22/2004	1/22/2004	
Copper	EPA 6010B-Diss	4A22051	0.010	ND	1	1/22/2004	1/22/2004	
Sample ID: INA1058-03 (PTI-MW01S-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A22051	0.0050	ND	1	1/22/2004	1/22/2004	
Chromium	EPA 6010B-Diss	4A22051	0.0050	ND	1	1/22/2004	1/22/2004	
Copper	EPA 6010B-Diss	4A22051	0.010	ND	1	1/22/2004	1/22/2004	
Sample ID: INA1058-04 (PTI-EB01-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A22051	0.0050	ND	1	1/22/2004	1/22/2004	
Chromium	EPA 6010B-Diss	4A22051	0.0050	ND	1	1/22/2004	1/22/2004	
Copper	EPA 6010B-Diss	4A22051	0.010	ND	1	1/22/2004	1/22/2004	
Sample ID: INA1058-05 (PTI-MW03-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A22051	0.0050	ND	1	1/22/2004	1/22/2004	
Chromium	EPA 6010B-Diss	4A22051	0.0050	ND	1	1/22/2004	1/22/2004	
Copper	EPA 6010B-Diss	4A22051	0.010	ND	1	1/22/2004	1/22/2004	

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Attention: Sharon Wallin

Project ID: PhibroTech
Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1058-02 (PTI-MW01D-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A21082	0.0010	ND	1	1/21/2004	1/21/2004	
Sample ID: INA1058-02 (PTI-MW01D-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A21063	NA	7.39	1	1/21/2004	1/21/2004	
Sample ID: INA1058-03 (PTI-MW01S-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A21082	0.0010	ND	1	1/21/2004	1/21/2004	
Sample ID: INA1058-03 (PTI-MW01S-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A21063	NA	6.91	1	1/21/2004	1/21/2004	
Sample ID: INA1058-04 (PTI-EB01-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A21082	0.0010	ND	1	1/21/2004	1/21/2004	
Sample ID: INA1058-04 (PTI-EB01-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A21063	NA	6.30	1	1/21/2004	1/21/2004	
Sample ID: INA1058-05 (PTI-MW03-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A21082	0.0010	ND	1	1/21/2004	1/21/2004	
Sample ID: INA1058-05 (PTI-MW03-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A21063	NA	7.12	1	1/21/2004	1/21/2004	

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Sampled: 01/21/04
Received: 01/21/04

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PTI-MW01D-060 (INA1058-02) - Water					
EPA 150.1	1	01/21/2004 11:05	01/21/2004 16:45	01/21/2004 18:30	01/21/2004 19:30
EPA 7199	1	01/21/2004 11:05	01/21/2004 16:45	01/21/2004 18:59	01/21/2004 20:01
Sample ID: PTI-MW01S-060 (INA1058-03) - Water					
EPA 150.1	1	01/21/2004 12:20	01/21/2004 16:45	01/21/2004 18:30	01/21/2004 19:30
EPA 7199	1	01/21/2004 12:20	01/21/2004 16:45	01/21/2004 18:59	01/21/2004 20:10
Sample ID: PTI-EB01-060 (INA1058-04) - Water					
EPA 150.1	1	01/21/2004 13:35	01/21/2004 16:45	01/21/2004 18:30	01/21/2004 19:30
EPA 7199	1	01/21/2004 13:35	01/21/2004 16:45	01/21/2004 18:59	01/21/2004 20:20
Sample ID: PTI-MW03-060 (INA1058-05) - Water					
EPA 150.1	1	01/21/2004 14:20	01/21/2004 16:45	01/21/2004 18:30	01/21/2004 19:30
EPA 7199	1	01/21/2004 14:20	01/21/2004 16:45	01/21/2004 18:59	01/21/2004 20:29

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Limit Qualifiers
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Batch: 4A22030 Extracted: 01/22/04

Blank Analyzed: 01/22/04 (4A22030-BLK1)

Benzene	ND	0.50	ug/l						
Bromobenzene	ND	1.0	ug/l						
Bromochloromethane	ND	1.0	ug/l						
Bromodichloromethane	ND	1.0	ug/l						
Bromoform	ND	1.0	ug/l						
Bromomethane	ND	1.0	ug/l						
n-Butylbenzene	ND	1.0	ug/l						
sec-Butylbenzene	ND	1.0	ug/l						
tert-Butylbenzene	ND	1.0	ug/l						
Carbon tetrachloride	ND	0.50	ug/l						
Chlorobenzene	ND	1.0	ug/l						
Chloroethane	ND	1.0	ug/l						
Chloroform	ND	1.0	ug/l						
Chloromethane	ND	1.0	ug/l						
2-Chlorotoluene	ND	1.0	ug/l						
4-Chlorotoluene	ND	1.0	ug/l						
Dibromochloromethane	ND	1.0	ug/l						
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l						
1,2-Dibromoethane (EDB)	ND	1.0	ug/l						
Dibromomethane	ND	1.0	ug/l						
1,2-Dichlorobenzene	ND	1.0	ug/l						
1,3-Dichlorobenzene	ND	1.0	ug/l						
1,4-Dichlorobenzene	ND	1.0	ug/l						
Dichlorodifluoromethane	ND	5.0	ug/l						
1,1-Dichloroethane	ND	1.0	ug/l						
1,2-Dichloroethane	ND	0.50	ug/l						
1,1-Dichloroethene	ND	1.0	ug/l						
cis-1,2-Dichloroethene	ND	1.0	ug/l						
trans-1,2-Dichloroethene	ND	1.0	ug/l						
1,2-Dichloropropane	ND	1.0	ug/l						
1,3-Dichloropropane	ND	1.0	ug/l						
2,2-Dichloropropane	ND	1.0	ug/l						
1,1-Dichloropropene	ND	1.0	ug/l						
cis-1,3-Dichloropropene	ND	0.50	ug/l						
trans-1,3-Dichloropropene	ND	0.50	ug/l						

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech
Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Limit	Qualifiers
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Batch: 4A22030 Extracted: 01/22/04

Blank Analyzed: 01/22/04 (4A22030-BLK1)

Ethylbenzene	ND	1.0	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	25.4		ug/l	25.0		102	80-120			
Surrogate: Toluene-d8	27.6		ug/l	25.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	24.2		ug/l	25.0		97	80-120			

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A22030 Extracted: 01/22/04</u>										
LCS Analyzed: 01/22/04 (4A22030-BS1)										
Benzene	26.2	0.50	ug/l	25.0		105	70-120			
Bromobenzene	26.0	1.0	ug/l	25.0		104	80-120			
Bromochloromethane	28.6	1.0	ug/l	25.0		114	65-135			
Bromodichloromethane	28.0	1.0	ug/l	25.0		112	70-140			
Bromoform	26.0	1.0	ug/l	25.0		104	50-135			
Bromomethane	25.4	1.0	ug/l	25.0		102	60-140			
n-Butylbenzene	24.4	1.0	ug/l	25.0		98	75-130			
sec-Butylbenzene	26.2	1.0	ug/l	25.0		105	75-125			
tert-Butylbenzene	26.9	1.0	ug/l	25.0		108	75-125			
Carbon tetrachloride	27.3	0.50	ug/l	25.0		109	70-140			
Chlorobenzene	26.1	1.0	ug/l	25.0		104	80-125			
Chloroethane	24.6	1.0	ug/l	25.0		98	60-145			
Chloroform	27.2	1.0	ug/l	25.0		109	70-130			
Chloromethane	19.2	1.0	ug/l	25.0		77	40-145			
2-Chlorotoluene	25.6	1.0	ug/l	25.0		102	75-125			
4-Chlorotoluene	25.8	1.0	ug/l	25.0		103	75-125			
Dibromochloromethane	28.5	1.0	ug/l	25.0		114	65-145			
1,2-Dibromo-3-chloropropane	26.8	5.0	ug/l	25.0		107	50-130			
1,2-Dibromoethane (EDB)	29.0	1.0	ug/l	25.0		116	70-125			
Dibromomethane	28.0	1.0	ug/l	25.0		112	70-130			
1,2-Dichlorobenzene	24.5	1.0	ug/l	25.0		98	75-120			
1,3-Dichlorobenzene	23.9	1.0	ug/l	25.0		96	75-120			
1,4-Dichlorobenzene	23.2	1.0	ug/l	25.0		93	80-120			
Dichlorodifluoromethane	14.0	5.0	ug/l	25.0		56	10-160			
1,1-Dichloroethane	28.5	1.0	ug/l	25.0		114	70-135			
1,2-Dichloroethane	28.0	0.50	ug/l	25.0		112	60-150			
1,1-Dichloroethene	25.8	1.0	ug/l	25.0		103	75-140			
cis-1,2-Dichloroethene	28.0	1.0	ug/l	25.0		112	65-125			
trans-1,2-Dichloroethene	27.9	1.0	ug/l	25.0		112	65-130			
1,2-Dichloropropane	27.6	1.0	ug/l	25.0		110	65-120			
1,3-Dichloropropane	28.4	1.0	ug/l	25.0		114	70-130			
2,2-Dichloropropane	32.8	1.0	ug/l	25.0		131	70-150			
1,1-Dichloropropene	27.9	1.0	ug/l	25.0		112	75-130			
cis-1,3-Dichloropropene	28.9	0.50	ug/l	25.0		116	70-130			
trans-1,3-Dichloropropene	28.6	0.50	ug/l	25.0		114	75-135			

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04

Received: 01/21/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Limit Qualifiers
Batch: 4A22030 Extracted: 01/22/04									
LCS Analyzed: 01/22/04 (4A22030-BS1)									
Ethylbenzene	27.4	1.0	ug/l	25.0		110	80-120		
Hexachlorobutadiene	23.5	1.0	ug/l	25.0		94	65-140		
Isopropylbenzene	26.8	1.0	ug/l	25.0		107	70-125		
p-Isopropyltoluene	24.8	1.0	ug/l	25.0		99	75-125		
Methylene chloride	25.5	5.0	ug/l	25.0		102	60-135		
Naphthalene	25.3	1.0	ug/l	25.0		101	50-145		
n-Propylbenzene	26.9	1.0	ug/l	25.0		108	75-130		
Styrene	29.4	1.0	ug/l	25.0		118	80-135		
1,1,1,2-Tetrachloroethane	27.3	1.0	ug/l	25.0		109	70-145		
1,1,2,2-Tetrachloroethane	29.5	1.0	ug/l	25.0		118	60-135		
Tetrachloroethene	26.0	1.0	ug/l	25.0		104	75-125		
Toluene	26.5	1.0	ug/l	25.0		106	70-120		
1,2,3-Trichlorobenzene	26.2	1.0	ug/l	25.0		105	65-135		
1,2,4-Trichlorobenzene	26.9	1.0	ug/l	25.0		108	70-140		
1,1,1-Trichloroethane	28.8	1.0	ug/l	25.0		115	75-140		
1,1,2-Trichloroethane	27.7	1.0	ug/l	25.0		111	65-125		
Trichloroethene	27.1	1.0	ug/l	25.0		108	75-120		
Trichlorofluoromethane	24.4	1.0	ug/l	25.0		98	60-145		
1,2,3-Trichloropropane	28.8	1.0	ug/l	25.0		115	60-130		
1,2,4-Trimethylbenzene	25.7	1.0	ug/l	25.0		103	75-125		
1,3,5-Trimethylbenzene	26.4	1.0	ug/l	25.0		106	75-125		
Vinyl chloride	19.4	0.50	ug/l	25.0		78	50-125		
o-Xylene	26.1	1.0	ug/l	25.0		104	75-125		
m,p-Xylenes	53.4	1.0	ug/l	50.0		107	70-120		
Surrogate: Dibromofluoromethane	25.8		ug/l	25.0		103	80-120		
Surrogate: Toluene-d8	27.8		ug/l	25.0		111	80-120		
Surrogate: 4-Bromofluorobenzene	25.9		ug/l	25.0		104	80-120		

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A22030 Extracted: 01/22/04</u>										
Matrix Spike Analyzed: 01/22/04 (4A22030-MS1)										
Source: INA1033-01										
Benzene	24.6	0.50	ug/l	25.0	ND	98	70-120			
Bromobenzene	23.9	1.0	ug/l	25.0	ND	96	60-135			
Bromochloromethane	25.5	1.0	ug/l	25.0	ND	102	60-140			
Bromodichloromethane	26.0	1.0	ug/l	25.0	ND	104	70-140			
Bromoform	21.6	1.0	ug/l	25.0	ND	86	50-135			
Bromomethane	24.2	1.0	ug/l	25.0	ND	97	50-140			
n-Butylbenzene	23.3	1.0	ug/l	25.0	ND	93	70-135			
sec-Butylbenzene	24.8	1.0	ug/l	25.0	ND	99	70-130			
tert-Butylbenzene	25.2	1.0	ug/l	25.0	ND	101	70-130			
Carbon tetrachloride	25.4	0.50	ug/l	25.0	ND	102	70-140			
Chlorobenzene	24.5	1.0	ug/l	25.0	ND	98	80-125			
Chloroethane	22.9	1.0	ug/l	25.0	ND	92	50-145			
Chloroform	25.2	1.0	ug/l	25.0	ND	101	70-130			
Chloromethane	19.0	1.0	ug/l	25.0	ND	76	30-145			
2-Chlorotoluene	24.3	1.0	ug/l	25.0	ND	97	65-145			
4-Chlorotoluene	24.1	1.0	ug/l	25.0	ND	96	70-145			
Dibromochloromethane	25.3	1.0	ug/l	25.0	ND	101	65-145			
1,2-Dibromo-3-chloropropane	21.4	5.0	ug/l	25.0	ND	86	50-150			
1,2-Dibromoethane (EDB)	25.0	1.0	ug/l	25.0	ND	100	70-125			
Dibromomethane	24.5	1.0	ug/l	25.0	ND	98	65-135			
1,2-Dichlorobenzene	23.0	1.0	ug/l	25.0	ND	92	70-130			
1,3-Dichlorobenzene	22.9	1.0	ug/l	25.0	ND	92	70-130			
1,4-Dichlorobenzene	21.9	1.0	ug/l	25.0	ND	88	75-120			
Dichlorodifluoromethane	13.5	5.0	ug/l	25.0	ND	54	10-160			
1,1-Dichloroethane	26.4	1.0	ug/l	25.0	ND	106	65-135			
1,2-Dichloroethane	25.2	0.50	ug/l	25.0	ND	101	60-150			
1,1-Dichloroethene	23.3	1.0	ug/l	25.0	ND	93	65-145			
cis-1,2-Dichloroethene	26.2	1.0	ug/l	25.0	ND	105	60-130			
trans-1,2-Dichloroethene	25.6	1.0	ug/l	25.0	ND	102	60-135			
1,2-Dichloropropane	25.9	1.0	ug/l	25.0	ND	104	60-130			
1,3-Dichloropropane	25.1	1.0	ug/l	25.0	ND	100	65-140			
2,2-Dichloropropane	30.3	1.0	ug/l	25.0	ND	121	60-150			
1,1-Dichloropropene	25.7	1.0	ug/l	25.0	ND	103	60-145			
cis-1,3-Dichloropropene	26.4	0.50	ug/l	25.0	ND	106	70-140			
trans-1,3-Dichloropropene	25.6	0.50	ug/l	25.0	ND	102	70-140			

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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech
Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit	Qualifiers
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Batch: 4A22030 Extracted: 01/22/04

Matrix Spike Analyzed: 01/22/04 (4A22030-MS1)

					Source: INA1033-01			
Ethylbenzene	25.5	1.0	ug/l	25.0	ND	102	70-125	
Hexachlorobutadiene	22.8	1.0	ug/l	25.0	ND	91	65-140	
Isopropylbenzene	24.8	1.0	ug/l	25.0	ND	99	65-130	
p-Isopropyltoluene	22.8	1.0	ug/l	25.0	ND	91	70-130	
Methylene chloride	24.8	5.0	ug/l	25.0	1.9	92	60-135	
Naphthalene	20.2	1.0	ug/l	25.0	ND	81	50-145	
n-Propylbenzene	25.2	1.0	ug/l	25.0	ND	101	70-135	
Styrene	19.4	1.0	ug/l	25.0	ND	78	60-145	
1,1,1,2-Tetrachloroethane	25.6	1.0	ug/l	25.0	ND	102	65-145	
1,1,2,2-Tetrachloroethane	24.8	1.0	ug/l	25.0	ND	99	60-140	
Tetrachloroethene	24.5	1.0	ug/l	25.0	ND	98	70-130	
Toluene	24.7	1.0	ug/l	25.0	ND	99	65-120	
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	60-135	
1,2,4-Trichlorobenzene	25.8	1.0	ug/l	25.0	ND	103	55-140	
1,1,1-Trichloroethane	26.6	1.0	ug/l	25.0	ND	106	75-140	
1,1,2-Trichloroethane	24.7	1.0	ug/l	25.0	ND	99	60-135	
Trichloroethene	25.1	1.0	ug/l	25.0	ND	100	70-125	
Trichlorofluoromethane	22.7	1.0	ug/l	25.0	ND	91	50-150	
1,2,3-Trichloropropane	23.5	1.0	ug/l	25.0	ND	94	60-140	
1,2,4-Trimethylbenzene	19.8	1.0	ug/l	25.0	ND	79	60-125	
1,3,5-Trimethylbenzene	22.7	1.0	ug/l	25.0	ND	91	70-130	
Vinyl chloride	19.8	0.50	ug/l	25.0	ND	79	40-130	
o-Xylene	24.0	1.0	ug/l	25.0	ND	96	65-125	
m,p-Xylenes	48.6	1.0	ug/l	50.0	ND	97	60-125	
Surrogate: Dibromofluoromethane	25.6		ug/l	25.0		102	80-120	
Surrogate: Toluene-d8	27.9		ug/l	25.0		112	80-120	
Surrogate: 4-Bromofluorobenzene	25.2		ug/l	25.0		101	80-120	

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Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A22030 Extracted: 01/22/04										
Matrix Spike Dup Analyzed: 01/22/04 (4A22030-MSD1)										
Source: INA1033-01										
Benzene	25.5	0.50	ug/l	25.0	ND	102	70-120	4	20	
Bromobenzene	25.7	1.0	ug/l	25.0	ND	103	60-135	7	25	
Bromochloromethane	27.2	1.0	ug/l	25.0	ND	109	60-140	6	25	
Bromodichloromethane	27.2	1.0	ug/l	25.0	ND	109	70-140	5	20	
Bromoform	23.8	1.0	ug/l	25.0	ND	95	50-135	10	25	
Bromomethane	24.9	1.0	ug/l	25.0	ND	100	50-140	3	25	
n-Butylbenzene	23.9	1.0	ug/l	25.0	ND	96	70-135	3	20	
sec-Butylbenzene	25.7	1.0	ug/l	25.0	ND	103	70-130	4	20	
tert-Butylbenzene	26.6	1.0	ug/l	25.0	ND	106	70-130	5	20	
Carbon tetrachloride	26.8	0.50	ug/l	25.0	ND	107	70-140	5	25	
Chlorobenzene	25.4	1.0	ug/l	25.0	ND	102	80-125	4	20	
Chloroethane	24.1	1.0	ug/l	25.0	ND	96	50-145	5	25	
Chloroform	26.1	1.0	ug/l	25.0	ND	104	70-130	4	20	
Chloromethane	19.4	1.0	ug/l	25.0	ND	78	30-145	2	30	
2-Chlorotoluene	25.4	1.0	ug/l	25.0	ND	102	65-145	4	25	
4-Chlorotoluene	25.4	1.0	ug/l	25.0	ND	102	70-145	5	20	
Dibromochloromethane	26.8	1.0	ug/l	25.0	ND	107	65-145	6	20	
1,2-Dibromo-3-chloropropane	24.8	5.0	ug/l	25.0	ND	99	50-150	15	25	
1,2-Dibromoethane (EDB)	27.0	1.0	ug/l	25.0	ND	108	70-125	8	20	
Dibromomethane	26.9	1.0	ug/l	25.0	ND	108	65-135	9	20	
1,2-Dichlorobenzene	24.1	1.0	ug/l	25.0	ND	96	70-130	5	20	
1,3-Dichlorobenzene	23.6	1.0	ug/l	25.0	ND	94	70-130	3	20	
1,4-Dichlorobenzene	22.8	1.0	ug/l	25.0	ND	91	75-120	4	20	
Dichlorodifluoromethane	13.7	5.0	ug/l	25.0	ND	55	10-160	1	30	
1,1-Dichloroethane	27.5	1.0	ug/l	25.0	ND	110	65-135	4	20	
1,2-Dichloroethane	27.2	0.50	ug/l	25.0	ND	109	60-150	8	25	
1,1-Dichloroethene	24.7	1.0	ug/l	25.0	ND	99	65-145	6	25	
cis-1,2-Dichloroethene	27.1	1.0	ug/l	25.0	ND	108	60-130	3	20	
trans-1,2-Dichloroethene	26.9	1.0	ug/l	25.0	ND	108	60-135	5	20	
1,2-Dichloropropane	27.1	1.0	ug/l	25.0	ND	108	60-130	5	20	
1,3-Dichloropropane	26.7	1.0	ug/l	25.0	ND	107	65-140	6	25	
2,2-Dichloropropane	31.4	1.0	ug/l	25.0	ND	126	60-150	4	20	
1,1-Dichloropropene	27.1	1.0	ug/l	25.0	ND	108	60-145	5	20	
cis-1,3-Dichloropropene	27.8	0.50	ug/l	25.0	ND	111	70-140	5	20	
trans-1,3-Dichloropropene	27.3	0.50	ug/l	25.0	ND	109	70-140	6	20	

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Patty Mata

Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech
Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit Qualifiers
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-----------------------

Batch: 4A22030 Extracted: 01/22/04

Matrix Spike Dup Analyzed: 01/22/04 (4A22030-MSD1)

					Source: INA1033-01				
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit Qualifiers
Ethylbenzene	26.4	1.0	ug/l	25.0	ND	106	70-125	3	20
Hexachlorobutadiene	23.3	1.0	ug/l	25.0	ND	93	65-140	2	25
Isopropylbenzene	26.5	1.0	ug/l	25.0	ND	106	65-130	7	25
p-Isopropyltoluene	23.8	1.0	ug/l	25.0	ND	95	70-130	4	20
Methylene chloride	26.7	5.0	ug/l	25.0	1.9	99	60-135	7	20
Naphthalene	22.6	1.0	ug/l	25.0	ND	90	50-145	11	25
n-Propylbenzene	26.4	1.0	ug/l	25.0	ND	106	70-135	5	20
Styrene	22.8	1.0	ug/l	25.0	ND	91	60-145	16	25
1,1,1,2-Tetrachloroethane	26.5	1.0	ug/l	25.0	ND	106	65-145	3	20
1,1,2,2-Tetrachloroethane	27.7	1.0	ug/l	25.0	ND	111	60-140	11	25
Tetrachloroethene	25.0	1.0	ug/l	25.0	ND	100	70-130	2	20
Toluene	25.7	1.0	ug/l	25.0	ND	103	65-120	4	20
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	60-135	2	20
1,2,4-Trichlorobenzene	26.6	1.0	ug/l	25.0	ND	106	55-140	3	25
1,1,1-Trichloroethane	27.9	1.0	ug/l	25.0	ND	112	75-140	5	20
1,1,2-Trichloroethane	26.6	1.0	ug/l	25.0	ND	106	60-135	7	20
Trichloroethene	26.3	1.0	ug/l	25.0	ND	105	70-125	5	20
Trichlorofluoromethane	23.6	1.0	ug/l	25.0	ND	94	50-150	4	25
1,2,3-Trichloropropane	26.9	1.0	ug/l	25.0	ND	108	60-140	13	25
1,2,4-Trimethylbenzene	22.2	1.0	ug/l	25.0	ND	89	60-125	11	20
1,3,5-Trimethylbenzene	24.4	1.0	ug/l	25.0	ND	98	70-130	7	20
Vinyl chloride	19.9	0.50	ug/l	25.0	ND	80	40-130	1	25
o-Xylene	24.7	1.0	ug/l	25.0	ND	99	65-125	3	20
m,p-Xylenes	50.3	1.0	ug/l	50.0	ND	101	60-125	3	25
Surrogate: Dibromofluoromethane	25.9		ug/l	25.0		104	80-120		
Surrogate: Toluene-d8	27.8		ug/l	25.0		111	80-120		
Surrogate: 4-Bromo/fluorobenzene	25.3		ug/l	25.0		101	80-120		

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Limit	Qualifiers
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Batch: 4A22051 Extracted: 01/22/04

Blank Analyzed: 01/22/04 (4A22051-BLK1)

Cadmium	ND	0.0050	mg/l
Chromium	ND	0.0050	mg/l
Copper	ND	0.010	mg/l

LCS Analyzed: 01/22/04 (4A22051-BS1)

Cadmium	0.984	0.0050	mg/l	1.00		98	80-120
Chromium	0.985	0.0050	mg/l	1.00		98	80-120
Copper	0.979	0.010	mg/l	1.00		98	80-120

Matrix Spike Analyzed: 01/22/04 (4A22051-MS1)

Cadmium	0.933	0.0050	mg/l	1.00	0.00050	93	75-125
Chromium	0.978	0.0050	mg/l	1.00	0.0025	98	75-125
Copper	0.921	0.010	mg/l	1.00	0.0054	92	75-125

Matrix Spike Dup Analyzed: 01/22/04 (4A22051-MSD1)

Cadmium	0.932	0.0050	mg/l	1.00	0.00050	93	75-125	0	20
Chromium	0.997	0.0050	mg/l	1.00	0.0025	99	75-125	2	20
Copper	0.931	0.010	mg/l	1.00	0.0054	93	75-125	1	20

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Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit	Qualifiers
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	------------	------------

Batch: 4A21063 Extracted: 01/21/04

Duplicate Analyzed: 01/21/04 (4A21063-DUP1)

pH	8.62	NA	pH Units	Source: INA1007-01				0	5
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Batch: 4A21082 Extracted: 01/21/04

Blank Analyzed: 01/21/04 (4A21082-BLK1)

Chromium VI	ND	0.0010	mg/l						
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LCS Analyzed: 01/21/04 (4A21082-BS1)

Chromium VI	0.0482	0.0010	mg/l	0.0500	96	90-110			
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Matrix Spike Analyzed: 01/21/04 (4A21082-MS1)

Chromium VI	0.0480	0.0010	mg/l	0.0500	ND	96	80-115		
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Matrix Spike Dup Analyzed: 01/21/04 (4A21082-MSD1)

Chromium VI	0.0478	0.0010	mg/l	0.0500	ND	96	80-115	0	15
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Report Number: INA1058

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Sampled: 01/21/04
Received: 01/21/04

DATA QUALIFIERS AND DEFINITIONS

- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

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Camp, Dresser & McKee
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Project ID: PhibroTech
Report Number: INA1058

Sampled: 01/21/04
Received: 01/21/04

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 150.1	Water	X	X
EPA 6010B-Diss	Water	X	X
EPA 7199	Water	X	X
EPA 8260B	Water	X	X

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

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Patty Mata
Project Manager



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LABORATORY REPORT

Prepared For: Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612

Attention: Sharon Wallin

Project: PTI, Phibro-Tech 2279
PhibroTech

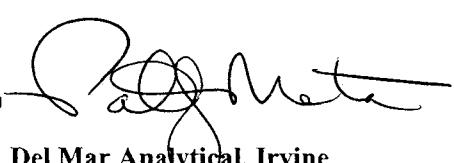
Sampled: 01/22/04
Received: 01/22/04
Issued: 02/02/04

NELAP #01108CA CA ELAP #1197

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This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
INA1151-01	PTI-MW15D-060	Water
INA1151-02	PTI-TB02-060	Water
INA1151-03	PTI-DI-060	Water
INA1151-04	PTI-MW15S-060	Water
INA1151-05	PTI-MW06D-060	Water
INA1151-06	PTI-MW06B-060	Water
INA1151-07	PTI-MW07-060	Water
INA1151-08	PTI-MW14S-060	Water
INA1151-09	PTI-EB02-060	Water
INA1151-10	PTI-MW04A-060	Water



A handwritten signature in black ink, appearing to read "Patty Mata".

Del Mar Analytical, Irvine
Patty Mata
Project Manager



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Camp, Dresser & McKee
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 Irvine, CA 92612
 Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
 PhibroTech
 Report Number: INA1151

Sampled: 01/22/04
 Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-01 (PTI-MW15D-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Bromobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromodichloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
sec-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
tert-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Carbon tetrachloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Chlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
4-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,4-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dichlorodifluoromethane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichloroethane	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloropropene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Ethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Hexachlorobutadiene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Isopropylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
p-Isopropyltoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Methylene chloride	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-01 (PTI-MW15D-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Propylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Styrene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Vinyl chloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
o-Xylene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
m,p-Xylenes	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								
				100 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>								
				102 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								
				97 %				

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Camp, Dresser & McKee
18581 Teller Avenue, #200
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Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-02 (PTI-TB02-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Bromobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromodichloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
sec-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
tert-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Carbon tetrachloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Chlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
4-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,4-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dichlorodifluoromethane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichloroethane	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloropropene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Ethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Hexachlorobutadiene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Isopropylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
p-Isopropyltoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Methylene chloride	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	

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Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-02 (PTI-TB02-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Propylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Styrene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Tetrachloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Toluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Trichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Trichlorofluoromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Vinyl chloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
o-Xylene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
m,p-Xylenes	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Surrogate: Dibromofluoromethane (80-120%)				103 %				
Surrogate: Toluene-d8 (80-120%)				101 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				100 %				

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PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Reporting Batch	Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-03 (PTI-DI-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Bromobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	C
Bromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromodichloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
sec-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
tert-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Carbon tetrachloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Chlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroform	EPA 8260B	4A26034	1.0	5.5	1	1/26/2004	1/26/2004	
Chloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
4-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,4-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dichlorodifluoromethane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichloroethane	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloropropene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Ethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Hexachlorobutadiene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Isopropylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
p-Isopropyltoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Methylene chloride	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	

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Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-03 (PTI-DI-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Propylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Styrene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Tetrachloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Toluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Trichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Trichlorofluoromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Vinyl chloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
o-Xylene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
m,p-Xylenes	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Surrogate: Dibromofluoromethane (80-120%)				100 %				
Surrogate: Toluene-d8 (80-120%)				102 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				98 %				

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Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-04 (PTI-MW15S-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A26034	0.50	0.61	1	1/26/2004	1/26/2004	
Bromobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromodichloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Carbon tetrachloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Chlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroform	EPA 8260B	4A26034	1.0	5.4	1	1/26/2004	1/26/2004	C
Chloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
4-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,4-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dichlorodifluoromethane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethane	EPA 8260B	4A26034	1.0	26	1	1/26/2004	1/26/2004	
1,2-Dichloroethane	EPA 8260B	4A26034	0.50	79	1	1/26/2004	1/26/2004	
1,1-Dichloroethene	EPA 8260B	4A26034	1.0	15	1	1/26/2004	1/26/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	10	1	1/26/2004	1/26/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloropropene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Ethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Hexachlorobutadiene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Isopropylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
p-Isopropyltoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Methylene chloride	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-04 (PTI-MW15S-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Propylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Styrene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Vinyl chloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
o-Xylene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
m,p-Xylenes	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								
				104 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>								
				102 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								
				103 %				

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Camp, Dresser & McKee
 18581 Teller Avenue, #200
 Irvine, CA 92612
 Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
 PhibroTech
 Report Number: INA1151

Sampled: 01/22/04
 Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-05 (PTI-MW06D-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
Bromobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Bromochloromethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Bromodichloromethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Bromoform	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Bromomethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
n-Butylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
sec-Butylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
tert-Butylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Carbon tetrachloride	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
Chlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Chloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Chloroform	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Chloromethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
2-Chlorotoluene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
4-Chlorotoluene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Dibromochloromethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A27008	5.0	ND	1	1/27/2004	1/27/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Dibromomethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2-Dichlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,3-Dichlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,4-Dichlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Dichlorodifluoromethane	EPA 8260B	4A27008	5.0	ND	1	1/27/2004	1/27/2004	
1,1-Dichloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2-Dichloroethane	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
1,1-Dichloroethene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2-Dichloropropane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,3-Dichloropropane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
2,2-Dichloropropane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,1-Dichloropropene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
Ethylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Hexachlorobutadiene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Isopropylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
p-Isopropyltoluene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Methylene chloride	EPA 8260B	4A27008	5.0	ND	1	1/27/2004	1/27/2004	

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Camp, Dresser & McKee
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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-05 (PTI-MW06D-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
n-Propylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Styrene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,1,1-Trichloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,1,2-Trichloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2,3-Trichloropropane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Vinyl chloride	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
o-Xylene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
m,p-Xylenes	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								
				109 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>								
				107 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								
				107 %				

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Camp, Dresser & McKee
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Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-06 (PTI-MW06B-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Bromobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	C
Bromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromodichloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
sec-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
tert-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Carbon tetrachloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Chlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
4-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,4-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dichlorodifluoromethane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethane	EPA 8260B	4A26034	1.0	5.9	1	1/26/2004	1/26/2004	
1,2-Dichloroethane	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethene	EPA 8260B	4A26034	1.0	7.6	1	1/26/2004	1/26/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloropropene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Ethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Hexachlorobutadiene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Isopropylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
p-Isopropyltoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Methylene chloride	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	

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Camp, Dresser & McKee
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Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-06 (PTI-MW06B-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Propylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Styrene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Vinyl chloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
o-Xylene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
m,p-Xylenes	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Surrogate: Dibromofluoromethane (80-120%)								
				106 %				
Surrogate: Toluene-d8 (80-120%)								
				101 %				
Surrogate: 4-Bromofluorobenzene (80-120%)								
				102 %				

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Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-07 (PTI-MW07-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Bromobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	C
Bromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromodichloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Bromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
sec-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
tert-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Carbon tetrachloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Chlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloroform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Chloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
4-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dibromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,4-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Dichlorodifluoromethane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethane	EPA 8260B	4A26034	1.0	24	1	1/26/2004	1/26/2004	
1,2-Dichloroethane	EPA 8260B	4A26034	0.50	5.3	1	1/26/2004	1/26/2004	
1,1-Dichloroethene	EPA 8260B	4A26034	1.0	2.3	1	1/26/2004	1/26/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	6.2	1	1/26/2004	1/26/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
2,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloropropene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
Ethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Hexachlorobutadiene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Isopropylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
p-Isopropyltoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Methylene chloride	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/26/2004	

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Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-07 (PTI-MW07-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
n-Propylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Styrene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Vinyl chloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/26/2004	
o-Xylene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
m,p-Xylenes	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/26/2004	
Surrogate: Dibromofluoromethane (80-120%)								
Surrogate: Toluene-d8 (80-120%)								
Surrogate: 4-Bromofluorobenzene (80-120%)								
106 %								
102 %								
100 %								

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Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-08 (PTI-MW14S-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A26034	2.0	ND	4	1/26/2004	1/26/2004	
Bromobenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Bromochloromethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Bromodichloromethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Bromomethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
n-Butylbenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
sec-Butylbenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
tert-Butylbenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Carbon tetrachloride	EPA 8260B	4A26034	2.0	16	4	1/26/2004	1/26/2004	
Chlorobenzene	EPA 8260B	4A26034	4.0	4.5	4	1/26/2004	1/26/2004	C
Chloroethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Chloroform	EPA 8260B	4A26034	4.0	34	4	1/26/2004	1/26/2004	
Chloromethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
2-Chlorotoluene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
4-Chlorotoluene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Dibromochloromethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A26034	20	ND	4	1/26/2004	1/26/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Dibromomethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,2-Dichlorobenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,3-Dichlorobenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,4-Dichlorobenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Dichlorodifluoromethane	EPA 8260B	4A26034	20	ND	4	1/26/2004	1/26/2004	
1,1-Dichloroethane	EPA 8260B	4A26034	4.0	100	4	1/26/2004	1/26/2004	
1,2-Dichloroethane	EPA 8260B	4A26034	2.0	36	4	1/26/2004	1/26/2004	
1,1-Dichloroethene	EPA 8260B	4A26034	4.0	76	4	1/26/2004	1/26/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A26034	4.0	13	4	1/26/2004	1/26/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,2-Dichloropropane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,3-Dichloropropane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
2,2-Dichloropropane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,1-Dichloropropene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A26034	2.0	ND	4	1/26/2004	1/26/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A26034	2.0	ND	4	1/26/2004	1/26/2004	
Ethylbenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Hexachlorobutadiene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Isopropylbenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
p-Isopropyltoluene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Methylene chloride	EPA 8260B	4A26034	20	ND	4	1/26/2004	1/26/2004	

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Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-08 (PTI-MW14S-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
n-Propylbenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Styrene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,1,1-Trichloroethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,1,2-Trichloroethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
Vinyl chloride	EPA 8260B	4A26034	2.0	ND	4	1/26/2004	1/26/2004	
o-Xylene	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
m,p-Xylenes	EPA 8260B	4A26034	4.0	ND	4	1/26/2004	1/26/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								
				102 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>								
				101 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								
				99 %				

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Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-09 (PTI-EB02-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/27/2004	
Bromobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Bromoform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Bromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Bromodichloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Bromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
n-Butylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Carbon tetrachloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/27/2004	
Chlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Chloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Chloroform	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Chloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
2-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
4-Chlorotoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Dibromochloromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/27/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Dibromomethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,2-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,3-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,4-Dichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Dichlorodifluoromethane	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/27/2004	
1,1-Dichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,2-Dichloroethane	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/27/2004	
1,1-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,3-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
2,2-Dichloropropane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,1-Dichloropropene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/27/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/27/2004	
Ethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Hexachlorobutadiene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Isopropylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
p-Isopropyltoluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Methylene chloride	EPA 8260B	4A26034	5.0	ND	1	1/26/2004	1/27/2004	

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Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-09 (PTI-EB02-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
n-Propylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Styrene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Tetrachloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Toluene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,1,1-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,1,2-Trichloroethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Trichloroethene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Trichlorofluoromethane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Vinyl chloride	EPA 8260B	4A26034	0.50	ND	1	1/26/2004	1/27/2004	
o-Xylene	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
m,p-Xylenes	EPA 8260B	4A26034	1.0	ND	1	1/26/2004	1/27/2004	
Surrogate: Dibromofluoromethane (80-120%)				104 %				
Surrogate: Toluene-d8 (80-120%)				102 %				
Surrogate: 4-Bromofluorobenzene (80-120%)				100 %				

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Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-10 (PTI-MW04A-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A27007	1.0	3.3	2	1/27/2004	1/27/2004	
Bromobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Bromochloromethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Bromodichloromethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Bromoform	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Bromomethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
n-Butylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
sec-Butylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
tert-Butylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Carbon tetrachloride	EPA 8260B	4A27007	1.0	ND	2	1/27/2004	1/27/2004	
Chlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Chloroethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Chloroform	EPA 8260B	4A27007	2.0	4.0	2	1/27/2004	1/27/2004	
Chloromethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
2-Chlorotoluene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
4-Chlorotoluene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Dibromochloromethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A27007	10	ND	2	1/27/2004	1/27/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Dibromomethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2-Dichlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,3-Dichlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,4-Dichlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Dichlorodifluoromethane	EPA 8260B	4A27007	10	ND	2	1/27/2004	1/27/2004	
1,1-Dichloroethane	EPA 8260B	4A27007	2.0	99	2	1/27/2004	1/27/2004	
1,2-Dichloroethane	EPA 8260B	4A27007	1.0	ND	2	1/27/2004	1/27/2004	
1,1-Dichloroethene	EPA 8260B	4A27007	2.0	17	2	1/27/2004	1/27/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A27007	2.0	7.7	2	1/27/2004	1/27/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2-Dichloropropane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,3-Dichloropropane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
2,2-Dichloropropane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,1-Dichloropropene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A27007	1.0	ND	2	1/27/2004	1/27/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A27007	1.0	ND	2	1/27/2004	1/27/2004	
Ethylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Hexachlorobutadiene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Isopropylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
p-Isopropyltoluene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Methylene chloride	EPA 8260B	4A27007	10	ND	2	1/27/2004	1/27/2004	

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Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-10 (PTI-MW04A-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
n-Propylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Styrene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,1,1-Trichloroethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,1,2-Trichloroethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Vinyl chloride	EPA 8260B	4A27007	1.0	ND	2	1/27/2004	1/27/2004	
o-Xylene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
m,p-Xylenes	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								
				101 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>								
				103 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								
				97 %				

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Received: 01/22/04

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-01 (PTI-MW15D-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Chromium	EPA 6010B-Diss	4A23041	0.0050	0.0056	1	1/23/2004	1/23/2004	
Copper	EPA 6010B-Diss	4A23041	0.010	ND	1	1/23/2004	1/23/2004	
Sample ID: INA1151-03 (PTI-DI-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Chromium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Copper	EPA 6010B-Diss	4A23041	0.010	ND	1	1/23/2004	1/23/2004	
Sample ID: INA1151-04 (PTI-MW15S-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A23041	0.0050	0.013	1	1/23/2004	1/23/2004	
Chromium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Copper	EPA 6010B-Diss	4A23041	0.010	ND	1	1/23/2004	1/23/2004	
Sample ID: INA1151-05 (PTI-MW06D-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Chromium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Copper	EPA 6010B-Diss	4A23041	0.010	ND	1	1/23/2004	1/30/2004	
Sample ID: INA1151-06 (PTI-MW06B-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Chromium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Copper	EPA 6010B-Diss	4A23041	0.010	ND	1	1/23/2004	1/23/2004	
Sample ID: INA1151-07 (PTI-MW07-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Chromium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Copper	EPA 6010B-Diss	4A23041	0.010	ND	1	1/23/2004	1/23/2004	
Sample ID: INA1151-08 (PTI-MW14S-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A23041	0.010	ND	2	1/23/2004	1/23/2004	RL-3
Chromium	EPA 6010B-Diss	4A23041	0.010	0.95	2	1/23/2004	1/23/2004	
Copper	EPA 6010B-Diss	4A23041	0.020	0.037	2	1/23/2004	1/23/2004	

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Received: 01/22/04

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-09 (PTI-EB02-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Chromium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Copper	EPA 6010B-Diss	4A23041	0.010	ND	1	1/23/2004	1/23/2004	
Sample ID: INA1151-10 (PTI-MW04A-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Chromium	EPA 6010B-Diss	4A23041	0.0050	ND	1	1/23/2004	1/23/2004	
Copper	EPA 6010B-Diss	4A23041	0.010	0.030	1	1/23/2004	1/23/2004	

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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-01 (PTI-MW15D-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A22096	0.0010	0.0064	1	1/22/2004	1/22/2004	
Sample ID: INA1151-01 (PTI-MW15D-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A22107	NA	7.20	1	1/22/2004	1/22/2004	
Sample ID: INA1151-03 (PTI-DI-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A22096	0.0010	ND	1	1/22/2004	1/22/2004	
Sample ID: INA1151-03 (PTI-DI-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A22107	NA	6.57	1	1/22/2004	1/22/2004	
Sample ID: INA1151-04 (PTI-MW15S-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A22096	0.0010	ND	1	1/22/2004	1/22/2004	
Sample ID: INA1151-04 (PTI-MW15S-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A22107	NA	7.06	1	1/22/2004	1/22/2004	
Sample ID: INA1151-05 (PTI-MW06D-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A22096	0.0010	0.0030	1	1/22/2004	1/22/2004	
Sample ID: INA1151-05 (PTI-MW06D-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A22107	NA	7.35	1	1/22/2004	1/22/2004	
Sample ID: INA1151-06 (PTI-MW06B-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A22096	0.0010	ND	1	1/22/2004	1/22/2004	
Sample ID: INA1151-06 (PTI-MW06B-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A22107	NA	7.17	1	1/22/2004	1/22/2004	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
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Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1151-07 (PTI-MW07-060 - Water) Reporting Units: mg/l								
Chromium VI	EPA 7199	4A22096	0.0010	ND	1	1/22/2004	1/22/2004	
Sample ID: INA1151-07 (PTI-MW07-060 - Water) Reporting Units: pH Units								
pH	EPA 150.1	4A22107	NA	6.88	1	1/22/2004	1/22/2004	
Sample ID: INA1151-08 (PTI-MW14S-060 - Water) Reporting Units: mg/l								
Chromium VI	EPA 7199	4A22096	0.010	0.44	10	1/22/2004	1/22/2004	
Sample ID: INA1151-08 (PTI-MW14S-060 - Water) Reporting Units: pH Units								
pH	EPA 150.1	4A22107	NA	6.70	1	1/22/2004	1/22/2004	
Sample ID: INA1151-09 (PTI-EB02-060 - Water) Reporting Units: mg/l								
Chromium VI	EPA 7199	4A22096	0.0010	ND	1	1/22/2004	1/22/2004	
Sample ID: INA1151-09 (PTI-EB02-060 - Water) Reporting Units: pH Units								
pH	EPA 150.1	4A22107	NA	5.79	1	1/22/2004	1/22/2004	
Sample ID: INA1151-10 (PTI-MW04A-060 - Water) Reporting Units: mg/l								
Chromium VI	EPA 7199	4A22096	0.0010	0.0027	1	1/22/2004	1/22/2004	
Sample ID: INA1151-10 (PTI-MW04A-060 - Water) Reporting Units: pH Units								
pH	EPA 150.1	4A22107	NA	7.30	1	1/22/2004	1/22/2004	

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PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PTI-MW15D-060 (INA1151-01) - Water					
EPA 150.1	1	01/22/2004 08:10	01/22/2004 15:55	01/22/2004 17:32	01/22/2004 18:45
EPA 7199	1	01/22/2004 08:10	01/22/2004 15:55	01/22/2004 18:24	01/22/2004 19:31
Sample ID: PTI-DI-060 (INA1151-03) - Water					
EPA 150.1	1	01/22/2004 07:45	01/22/2004 15:55	01/22/2004 17:32	01/22/2004 18:45
EPA 7199	1	01/22/2004 07:45	01/22/2004 15:55	01/22/2004 18:24	01/22/2004 19:41
Sample ID: PTI-MW15S-060 (INA1151-04) - Water					
EPA 150.1	1	01/22/2004 09:00	01/22/2004 15:55	01/22/2004 17:32	01/22/2004 18:45
EPA 7199	1	01/22/2004 09:00	01/22/2004 15:55	01/22/2004 18:24	01/22/2004 19:50
Sample ID: PTI-MW06D-060 (INA1151-05) - Water					
EPA 150.1	1	01/22/2004 10:25	01/22/2004 15:55	01/22/2004 17:32	01/22/2004 18:45
EPA 7199	1	01/22/2004 10:25	01/22/2004 15:55	01/22/2004 18:24	01/22/2004 20:00
Sample ID: PTI-MW06B-060 (INA1151-06) - Water					
EPA 150.1	1	01/22/2004 11:15	01/22/2004 15:55	01/22/2004 17:32	01/22/2004 18:45
EPA 7199	1	01/22/2004 11:15	01/22/2004 15:55	01/22/2004 18:24	01/22/2004 20:09
Sample ID: PTI-MW07-060 (INA1151-07) - Water					
EPA 150.1	1	01/22/2004 12:10	01/22/2004 15:55	01/22/2004 17:32	01/22/2004 18:45
EPA 7199	1	01/22/2004 12:10	01/22/2004 15:55	01/22/2004 18:24	01/22/2004 20:38
Sample ID: PTI-MW14S-060 (INA1151-08) - Water					
EPA 150.1	1	01/22/2004 13:55	01/22/2004 15:55	01/22/2004 17:32	01/22/2004 19:30
EPA 7199	1	01/22/2004 13:55	01/22/2004 15:55	01/22/2004 18:24	01/22/2004 20:48
Sample ID: PTI-EB02-060 (INA1151-09) - Water					
EPA 150.1	1	01/22/2004 14:05	01/22/2004 15:55	01/22/2004 17:32	01/22/2004 19:30
EPA 7199	1	01/22/2004 14:05	01/22/2004 15:55	01/22/2004 18:24	01/22/2004 20:57
Sample ID: PTI-MW04A-060 (INA1151-10) - Water					
EPA 150.1	1	01/22/2004 14:45	01/22/2004 15:55	01/22/2004 17:32	01/22/2004 19:30
EPA 7199	1	01/22/2004 14:45	01/22/2004 15:55	01/22/2004 18:24	01/22/2004 21:07

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Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A26034 Extracted: 01/26/04										
Blank Analyzed: 01/26/04 (4A26034-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Limit Qualifiers
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Batch: 4A26034 Extracted: 01/26/04

Blank Analyzed: 01/26/04 (4A26034-BLK1)

Ethylbenzene	ND	1.0	ug/l						
Hexachlorobutadiene	ND	1.0	ug/l						
Isopropylbenzene	ND	1.0	ug/l						
p-Isopropyltoluene	ND	1.0	ug/l						
Methylene chloride	ND	5.0	ug/l						
Naphthalene	ND	1.0	ug/l						
n-Propylbenzene	ND	1.0	ug/l						
Styrene	ND	1.0	ug/l						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l						
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l						
Tetrachloroethene	ND	1.0	ug/l						
Toluene	ND	1.0	ug/l						
1,2,3-Trichlorobenzene	ND	1.0	ug/l						
1,2,4-Trichlorobenzene	ND	1.0	ug/l						
1,1,1-Trichloroethane	ND	1.0	ug/l						
1,1,2-Trichloroethane	ND	1.0	ug/l						
Trichloroethene	ND	1.0	ug/l						
Trichlorofluoromethane	ND	1.0	ug/l						
1,2,3-Trichloropropane	ND	1.0	ug/l						
1,2,4-Trimethylbenzene	ND	1.0	ug/l						
1,3,5-Trimethylbenzene	ND	1.0	ug/l						
Vinyl chloride	ND	0.50	ug/l						
o-Xylene	ND	1.0	ug/l						
m,p-Xylenes	ND	1.0	ug/l						
Surrogate: Dibromofluoromethane	26.6		ug/l	25.0		106	80-120		
Surrogate: Toluene-d8	25.5		ug/l	25.0		102	80-120		
Surrogate: 4-Bromofluorobenzene	25.5		ug/l	25.0		102	80-120		

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Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A26034 Extracted: 01/26/04</u>										
LCS Analyzed: 01/26/04 (4A26034-BS1)										
Benzene	24.5	0.50	ug/l	25.0	98	70-120				
Bromobenzene	24.8	1.0	ug/l	25.0	99	80-120				
Bromochloromethane	27.0	1.0	ug/l	25.0	108	65-135				
Bromodichloromethane	25.7	1.0	ug/l	25.0	103	70-140				
Bromoform	29.4	1.0	ug/l	25.0	118	50-135				
Bromomethane	21.6	1.0	ug/l	25.0	86	60-140				
n-Butylbenzene	24.1	1.0	ug/l	25.0	96	75-130				
sec-Butylbenzene	24.2	1.0	ug/l	25.0	97	75-125				
tert-Butylbenzene	25.0	1.0	ug/l	25.0	100	75-125				
Carbon tetrachloride	25.2	0.50	ug/l	25.0	101	70-140				
Chlorobenzene	24.5	1.0	ug/l	25.0	98	80-125				
Chloroethane	22.0	1.0	ug/l	25.0	88	60-145				
Chloroform	25.6	1.0	ug/l	25.0	102	70-130				
Chloromethane	18.4	1.0	ug/l	25.0	74	40-145				
2-Chlorotoluene	24.4	1.0	ug/l	25.0	98	75-125				
4-Chlorotoluene	24.7	1.0	ug/l	25.0	99	75-125				
Dibromochloromethane	26.1	1.0	ug/l	25.0	104	65-145				
1,2-Dibromo-3-chloropropane	28.2	5.0	ug/l	25.0	113	50-130				
1,2-Dibromoethane (EDB)	26.6	1.0	ug/l	25.0	106	70-125				
Dibromomethane	26.5	1.0	ug/l	25.0	106	70-130				
1,2-Dichlorobenzene	25.3	1.0	ug/l	25.0	101	75-120				
1,3-Dichlorobenzene	24.2	1.0	ug/l	25.0	97	75-120				
1,4-Dichlorobenzene	24.2	1.0	ug/l	25.0	97	80-120				
Dichlorodifluoromethane	14.1	5.0	ug/l	25.0	56	10-160				
1,1-Dichloroethane	25.2	1.0	ug/l	25.0	101	70-135				
1,2-Dichloroethane	26.4	0.50	ug/l	25.0	106	60-150				
1,1-Dichloroethene	26.1	1.0	ug/l	25.0	104	75-140				
cis-1,2-Dichloroethene	24.4	1.0	ug/l	25.0	98	65-125				
trans-1,2-Dichloroethene	25.1	1.0	ug/l	25.0	100	65-130				
1,2-Dichloropropane	25.0	1.0	ug/l	25.0	100	65-120				
1,3-Dichloropropane	25.7	1.0	ug/l	25.0	103	70-130				
2,2-Dichloropropane	22.7	1.0	ug/l	25.0	91	70-150				
1,1-Dichloropropene	24.5	1.0	ug/l	25.0	98	75-130				
cis-1,3-Dichloropropene	26.5	0.50	ug/l	25.0	106	70-130				
trans-1,3-Dichloropropene	27.9	0.50	ug/l	25.0	112	75-135				

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PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A26034 Extracted: 01/26/04</u>										
LCS Analyzed: 01/26/04 (4A26034-BS1)										
Ethylbenzene	24.1	1.0	ug/l	25.0		96	80-120			
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		90	65-140			
Isopropylbenzene	23.7	1.0	ug/l	25.0		95	70-125			
p-Isopropyltoluene	23.3	1.0	ug/l	25.0		93	75-125			
Methylene chloride	25.5	5.0	ug/l	25.0		102	60-135			
Naphthalene	27.8	1.0	ug/l	25.0		111	50-145			
n-Propylbenzene	24.5	1.0	ug/l	25.0		98	75-130			
Styrene	27.1	1.0	ug/l	25.0		108	80-135			
1,1,1,2-Tetrachloroethane	25.5	1.0	ug/l	25.0		102	70-145			
1,1,2,2-Tetrachloroethane	27.6	1.0	ug/l	25.0		110	60-135			
Tetrachloroethene	23.5	1.0	ug/l	25.0		94	75-125			
Toluene	23.6	1.0	ug/l	25.0		94	70-120			
1,2,3-Trichlorobenzene	25.9	1.0	ug/l	25.0		104	65-135			
1,2,4-Trichlorobenzene	25.0	1.0	ug/l	25.0		100	70-140			
1,1,1-Trichloroethane	25.0	1.0	ug/l	25.0		100	75-140			
1,1,2-Trichloroethane	26.5	1.0	ug/l	25.0		106	65-125			
Trichloroethene	25.0	1.0	ug/l	25.0		100	75-120			
Trichlorofluoromethane	22.4	1.0	ug/l	25.0		90	60-145			
1,2,3-Trichloropropane	26.7	1.0	ug/l	25.0		107	60-130			
1,2,4-Trimethylbenzene	24.7	1.0	ug/l	25.0		99	75-125			
1,3,5-Trimethylbenzene	25.1	1.0	ug/l	25.0		100	75-125			
Vinyl chloride	19.1	0.50	ug/l	25.0		76	50-125			
o-Xylene	24.5	1.0	ug/l	25.0		98	75-125			
m,p-Xylenes	47.2	1.0	ug/l	50.0		94	70-120			
Surrogate: Dibromofluoromethane	27.2		ug/l	25.0		109	80-120			
Surrogate: Toluene-d8	25.5		ug/l	25.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	26.0		ug/l	25.0		104	80-120			

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Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A26034 Extracted: 01/26/04</u>										
Matrix Spike Analyzed: 01/26/04 (4A26034-MS1)										
Source: INA1151-01										
Benzene	25.9	0.50	ug/l	25.0	ND	104	70-120			
Bromobenzene	25.4	1.0	ug/l	25.0	ND	102	60-135			
Bromochloromethane	25.9	1.0	ug/l	25.0	ND	104	60-140			
Bromodichloromethane	26.1	1.0	ug/l	25.0	ND	104	70-140			
Bromoform	27.0	1.0	ug/l	25.0	ND	108	50-135			
Bromomethane	22.9	1.0	ug/l	25.0	ND	92	50-140			
n-Butylbenzene	27.1	1.0	ug/l	25.0	ND	108	70-135			
sec-Butylbenzene	26.4	1.0	ug/l	25.0	ND	106	70-130			
tert-Butylbenzene	26.9	1.0	ug/l	25.0	ND	108	70-130			
Carbon tetrachloride	27.2	0.50	ug/l	25.0	ND	109	70-140			
Chlorobenzene	26.1	1.0	ug/l	25.0	ND	104	80-125			
Chloroethane	22.5	1.0	ug/l	25.0	ND	90	50-145			
Chloroform	26.5	1.0	ug/l	25.0	ND	106	70-130			
Chloromethane	19.0	1.0	ug/l	25.0	ND	76	30-145			
2-Chlorotoluene	26.0	1.0	ug/l	25.0	ND	104	65-145			
4-Chlorotoluene	26.3	1.0	ug/l	25.0	ND	105	70-145			
Dibromochloromethane	25.5	1.0	ug/l	25.0	ND	102	65-145			
1,2-Dibromo-3-chloropropane	24.2	5.0	ug/l	25.0	ND	97	50-150			
1,2-Dibromoethane (EDB)	25.0	1.0	ug/l	25.0	ND	100	70-125			
Dibromomethane	25.0	1.0	ug/l	25.0	ND	100	65-135			
1,2-Dichlorobenzene	26.1	1.0	ug/l	25.0	ND	104	70-130			
1,3-Dichlorobenzene	25.9	1.0	ug/l	25.0	ND	104	70-130			
1,4-Dichlorobenzene	25.7	1.0	ug/l	25.0	ND	103	75-120			
Dichlorodifluoromethane	16.8	5.0	ug/l	25.0	ND	67	10-160			
1,1-Dichloroethane	25.9	1.0	ug/l	25.0	ND	104	65-135			
1,2-Dichloroethane	26.0	0.50	ug/l	25.0	ND	104	60-150			
1,1-Dichloroethene	26.9	1.0	ug/l	25.0	ND	108	65-145			
cis-1,2-Dichloroethene	25.3	1.0	ug/l	25.0	ND	101	60-130			
trans-1,2-Dichloroethene	25.9	1.0	ug/l	25.0	ND	104	60-135			
1,2-Dichloropropane	25.8	1.0	ug/l	25.0	ND	103	60-130			
1,3-Dichloropropane	25.0	1.0	ug/l	25.0	ND	100	65-140			
2,2-Dichloropropane	26.7	1.0	ug/l	25.0	ND	107	60-150			
1,1-Dichloropropene	26.8	1.0	ug/l	25.0	ND	107	60-145			
cis-1,3-Dichloropropene	26.5	0.50	ug/l	25.0	ND	106	70-140			
trans-1,3-Dichloropropene	27.0	0.50	ug/l	25.0	ND	108	70-140			

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 4A26034 Extracted: 01/26/04

Matrix Spike Analyzed: 01/26/04 (4A26034-MS1)

					Source: INA1151-01			
Ethylbenzene	26.1	1.0	ug/l	25.0	ND	104	70-125	
Hexachlorobutadiene	25.2	1.0	ug/l	25.0	ND	101	65-140	
Isopropylbenzene	25.5	1.0	ug/l	25.0	ND	102	65-130	
p-Isopropyltoluene	25.9	1.0	ug/l	25.0	ND	104	70-130	
Methylene chloride	25.2	5.0	ug/l	25.0	ND	101	60-135	
Naphthalene	25.3	1.0	ug/l	25.0	ND	101	50-145	
n-Propylbenzene	26.6	1.0	ug/l	25.0	ND	106	70-135	
Styrene	27.6	1.0	ug/l	25.0	ND	110	60-145	
1,1,1,2-Tetrachloroethane	26.2	1.0	ug/l	25.0	ND	105	65-145	
1,1,2,2-Tetrachloroethane	25.0	1.0	ug/l	25.0	ND	100	60-140	
Tetrachloroethene	27.8	1.0	ug/l	25.0	2.3	102	70-130	
Toluene	25.3	1.0	ug/l	25.0	ND	101	65-120	
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	60-135	
1,2,4-Trichlorobenzene	26.1	1.0	ug/l	25.0	ND	104	55-140	
1,1,1-Trichloroethane	26.5	1.0	ug/l	25.0	ND	106	75-140	
1,1,2-Trichloroethane	24.6	1.0	ug/l	25.0	ND	98	60-135	
Trichloroethene	29.1	1.0	ug/l	25.0	3.0	104	70-125	
Trichlorofluoromethane	23.6	1.0	ug/l	25.0	ND	94	50-150	
1,2,3-Trichloropropane	23.6	1.0	ug/l	25.0	ND	94	60-140	
1,2,4-Trimethylbenzene	26.7	1.0	ug/l	25.0	ND	107	60-125	
1,3,5-Trimethylbenzene	27.2	1.0	ug/l	25.0	ND	109	70-130	
Vinyl chloride	20.6	0.50	ug/l	25.0	ND	82	40-130	
o-Xylene	26.2	1.0	ug/l	25.0	ND	105	65-125	
m,p-Xylenes	51.7	1.0	ug/l	50.0	ND	103	60-125	
Surrogate: Dibromofluoromethane	25.8		ug/l	25.0		103	80-120	
Surrogate: Toluene-d8	25.2		ug/l	25.0		101	80-120	
Surrogate: 4-Bromofluorobenzene	25.5		ug/l	25.0		102	80-120	

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Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	Limit	Data Qualifiers
<u>Batch: 4A26034 Extracted: 01/26/04</u>										
Matrix Spike Dup Analyzed: 01/26/04 (4A26034-MSD1)										
Source: INA1151-01										
Benzene	26.7	0.50	ug/l	25.0	ND	107	70-120	3	20	
Bromobenzene	26.1	1.0	ug/l	25.0	ND	104	60-135	3	25	
Bromochloromethane	26.2	1.0	ug/l	25.0	ND	105	60-140	1	25	
Bromodichloromethane	26.5	1.0	ug/l	25.0	ND	106	70-140	2	20	
Bromoform	26.5	1.0	ug/l	25.0	ND	106	50-135	2	25	
Bromomethane	23.1	1.0	ug/l	25.0	ND	92	50-140	1	25	
n-Butylbenzene	27.8	1.0	ug/l	25.0	ND	111	70-135	3	20	
sec-Butylbenzene	27.1	1.0	ug/l	25.0	ND	108	70-130	3	20	
tert-Butylbenzene	27.8	1.0	ug/l	25.0	ND	111	70-130	3	20	
Carbon tetrachloride	27.6	0.50	ug/l	25.0	ND	110	70-140	1	25	
Chlorobenzene	26.7	1.0	ug/l	25.0	ND	107	80-125	2	20	
Chloroethane	23.2	1.0	ug/l	25.0	ND	93	50-145	3	25	
Chloroform	26.9	1.0	ug/l	25.0	ND	108	70-130	1	20	
Chloromethane	20.0	1.0	ug/l	25.0	ND	80	30-145	5	30	
2-Chlorotoluene	26.8	1.0	ug/l	25.0	ND	107	65-145	3	25	
4-Chlorotoluene	27.2	1.0	ug/l	25.0	ND	109	70-145	3	20	
Dibromochloromethane	25.2	1.0	ug/l	25.0	ND	101	65-145	1	20	
1,2-Dibromo-3-chloropropane	23.7	5.0	ug/l	25.0	ND	95	50-150	2	25	
1,2-Dibromoethane (EDB)	25.0	1.0	ug/l	25.0	ND	100	70-125	0	20	
Dibromomethane	25.3	1.0	ug/l	25.0	ND	101	65-135	1	20	
1,2-Dichlorobenzene	26.8	1.0	ug/l	25.0	ND	107	70-130	3	20	
1,3-Dichlorobenzene	26.7	1.0	ug/l	25.0	ND	107	70-130	3	20	
1,4-Dichlorobenzene	26.3	1.0	ug/l	25.0	ND	105	75-120	2	20	
Dichlorodifluoromethane	17.2	5.0	ug/l	25.0	ND	69	10-160	2	30	
1,1-Dichloroethane	26.5	1.0	ug/l	25.0	ND	106	65-135	2	20	
1,2-Dichloroethane	26.1	0.50	ug/l	25.0	ND	104	60-150	0	25	
1,1-Dichloroethene	27.7	1.0	ug/l	25.0	ND	111	65-145	3	25	
cis-1,2-Dichloroethene	25.8	1.0	ug/l	25.0	ND	103	60-130	2	20	
trans-1,2-Dichloroethene	26.7	1.0	ug/l	25.0	ND	107	60-135	3	20	
1,2-Dichloropropane	26.6	1.0	ug/l	25.0	ND	106	60-130	3	20	
1,3-Dichloropropane	24.9	1.0	ug/l	25.0	ND	100	65-140	0	25	
2,2-Dichloropropane	27.1	1.0	ug/l	25.0	ND	108	60-150	1	20	
1,1-Dichloropropene	27.2	1.0	ug/l	25.0	ND	109	60-145	1	20	
cis-1,3-Dichloropropene	27.2	0.50	ug/l	25.0	ND	109	70-140	3	20	
trans-1,3-Dichloropropene	27.4	0.50	ug/l	25.0	ND	110	70-140	1	20	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Limit Qualifiers
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Batch: 4A26034 Extracted: 01/26/04

Matrix Spike Dup Analyzed: 01/26/04 (4A26034-MSD1)

					Source: INA1151-01				
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Limit Qualifiers
Ethylbenzene	26.5	1.0	ug/l	25.0	ND	106	70-125	2	20
Hexachlorobutadiene	25.6	1.0	ug/l	25.0	ND	102	65-140	2	25
Isopropylbenzene	26.2	1.0	ug/l	25.0	ND	105	65-130	3	25
p-Isopropyltoluene	26.4	1.0	ug/l	25.0	ND	106	70-130	2	20
Methylene chloride	25.8	5.0	ug/l	25.0	ND	103	60-135	2	20
Naphthalene	24.8	1.0	ug/l	25.0	ND	99	50-145	2	25
n-Propylbenzene	27.2	1.0	ug/l	25.0	ND	109	70-135	2	20
Styrene	27.0	1.0	ug/l	25.0	ND	108	60-145	2	25
1,1,1,2-Tetrachloroethane	26.7	1.0	ug/l	25.0	ND	107	65-145	2	20
1,1,2,2-Tetrachloroethane	24.8	1.0	ug/l	25.0	ND	99	60-140	1	25
Tetrachloroethene	28.0	1.0	ug/l	25.0	2.3	103	70-130	1	20
Toluene	25.8	1.0	ug/l	25.0	ND	103	65-120	2	20
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	60-135	0	20
1,2,4-Trichlorobenzene	26.7	1.0	ug/l	25.0	ND	107	55-140	2	25
1,1,1-Trichloroethane	26.8	1.0	ug/l	25.0	ND	107	75-140	1	20
1,1,2-Trichloroethane	25.0	1.0	ug/l	25.0	ND	100	60-135	2	20
Trichloroethene	29.7	1.0	ug/l	25.0	3.0	107	70-125	2	20
Trichlorofluoromethane	23.7	1.0	ug/l	25.0	ND	95	50-150	0	25
1,2,3-Trichloropropane	23.4	1.0	ug/l	25.0	ND	94	60-140	1	25
1,2,4-Trimethylbenzene	27.4	1.0	ug/l	25.0	ND	110	60-125	3	20
1,3,5-Trimethylbenzene	27.8	1.0	ug/l	25.0	ND	111	70-130	2	20
Vinyl chloride	21.2	0.50	ug/l	25.0	ND	85	40-130	3	25
o-Xylene	26.6	1.0	ug/l	25.0	ND	106	65-125	2	20
m,p-Xylenes	52.6	1.0	ug/l	50.0	ND	105	60-125	2	25
Surrogate: Dibromofluoromethane	25.6		ug/l	25.0		102	80-120		
Surrogate: Toluene-d8	25.7		ug/l	25.0		103	80-120		
Surrogate: 4-Bromofluorobenzene	25.2		ug/l	25.0		101	80-120		

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Attention: Sharon Wallin

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PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	Data Limit	Qualifiers
Batch: 4A27007 Extracted: 01/27/04										
Blank Analyzed: 01/27/04 (4A27007-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	Data Limit	Qualifiers
Batch: 4A27007 Extracted: 01/27/04									
Blank Analyzed: 01/27/04 (4A27007-BLK1)									
Ethylbenzene	ND	1.0	ug/l						
Hexachlorobutadiene	ND	1.0	ug/l						
Isopropylbenzene	ND	1.0	ug/l						
p-Isopropyltoluene	ND	1.0	ug/l						
Methylene chloride	ND	5.0	ug/l						
Naphthalene	ND	1.0	ug/l						
n-Propylbenzene	ND	1.0	ug/l						
Styrene	ND	1.0	ug/l						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l						
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l						
Tetrachloroethene	ND	1.0	ug/l						
Toluene	ND	1.0	ug/l						
1,2,3-Trichlorobenzene	ND	1.0	ug/l						
1,2,4-Trichlorobenzene	ND	1.0	ug/l						
1,1,1-Trichloroethane	ND	1.0	ug/l						
1,1,2-Trichloroethane	ND	1.0	ug/l						
Trichloroethene	ND	1.0	ug/l						
Trichlorofluoromethane	ND	1.0	ug/l						
1,2,3-Trichloropropane	ND	1.0	ug/l						
1,2,4-Trimethylbenzene	ND	1.0	ug/l						
1,3,5-Trimethylbenzene	ND	1.0	ug/l						
Vinyl chloride	ND	0.50	ug/l						
o-Xylene	ND	1.0	ug/l						
m,p-Xylenes	ND	1.0	ug/l						
Surrogate: Dibromofluoromethane	24.8		ug/l	25.0		99	80-120		
Surrogate: Toluene-d8	25.5		ug/l	25.0		102	80-120		
Surrogate: 4-Bromofluorobenzene	25.1		ug/l	25.0		100	80-120		

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PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A27007 Extracted: 01/27/04</u>										
LCS Analyzed: 01/27/04 (4A27007-BS1)										
Benzene	25.9	0.50	ug/l	25.0		104	70-120			
Bromobenzene	24.7	1.0	ug/l	25.0		99	80-120			
Bromochloromethane	24.4	1.0	ug/l	25.0		98	65-135			
Bromodichloromethane	21.9	1.0	ug/l	25.0		88	70-140			
Bromoform	20.1	1.0	ug/l	25.0		80	50-135			
Bromomethane	22.4	1.0	ug/l	25.0		90	60-140			
n-Butylbenzene	25.0	1.0	ug/l	25.0		100	75-130			
sec-Butylbenzene	25.6	1.0	ug/l	25.0		102	75-125			
tert-Butylbenzene	24.7	1.0	ug/l	25.0		99	75-125			
Carbon tetrachloride	21.8	0.50	ug/l	25.0		87	70-140			
Chlorobenzene	25.4	1.0	ug/l	25.0		102	80-125			
Chloroethane	22.2	1.0	ug/l	25.0		89	60-145			
Chloroform	25.2	1.0	ug/l	25.0		101	70-130			
Chloromethane	19.7	1.0	ug/l	25.0		79	40-145			
2-Chlorotoluene	24.8	1.0	ug/l	25.0		99	75-125			
4-Chlorotoluene	25.0	1.0	ug/l	25.0		100	75-125			
Dibromochloromethane	21.4	1.0	ug/l	25.0		86	65-145			
1,2-Dibromo-3-chloropropane	15.6	5.0	ug/l	25.0		62	50-130			
1,2-Dibromoethane (EDB)	21.9	1.0	ug/l	25.0		88	70-125			
Dibromomethane	22.2	1.0	ug/l	25.0		89	70-130			
1,2-Dichlorobenzene	24.1	1.0	ug/l	25.0		96	75-120			
1,3-Dichlorobenzene	25.0	1.0	ug/l	25.0		100	75-120			
1,4-Dichlorobenzene	24.9	1.0	ug/l	25.0		100	80-120			
Dichlorodifluoromethane	13.4	5.0	ug/l	25.0		54	10-160			
1,1-Dichloroethane	26.3	1.0	ug/l	25.0		105	70-135			
1,2-Dichloroethane	20.5	0.50	ug/l	25.0		82	60-150			
1,1-Dichloroethene	26.3	1.0	ug/l	25.0		105	75-140			
cis-1,2-Dichloroethene	26.6	1.0	ug/l	25.0		106	65-125			
trans-1,2-Dichloroethene	26.6	1.0	ug/l	25.0		106	65-130			
1,2-Dichloropropane	26.4	1.0	ug/l	25.0		106	65-120			
1,3-Dichloropropane	23.4	1.0	ug/l	25.0		94	70-130			
2,2-Dichloropropane	23.1	1.0	ug/l	25.0		92	70-150			
1,1-Dichloropropene	24.7	1.0	ug/l	25.0		99	75-130			
cis-1,3-Dichloropropene	24.6	0.50	ug/l	25.0		98	70-130			
trans-1,3-Dichloropropene	21.4	0.50	ug/l	25.0		86	75-135			

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Limit Qualifiers
<u>Batch: 4A27007 Extracted: 01/27/04</u>									
LCS Analyzed: 01/27/04 (4A27007-BS1)									
Ethylbenzene	24.7	1.0	ug/l	25.0		99	80-120		
Hexachlorobutadiene	23.2	1.0	ug/l	25.0		93	65-140		
Isopropylbenzene	24.9	1.0	ug/l	25.0		100	70-125		
p-Isopropyltoluene	24.4	1.0	ug/l	25.0		98	75-125		
Methylene chloride	26.6	5.0	ug/l	25.0		106	60-135		
Naphthalene	20.0	1.0	ug/l	25.0		80	50-145		
n-Propylbenzene	26.5	1.0	ug/l	25.0		106	75-130		
Styrene	25.4	1.0	ug/l	25.0		102	80-135		
1,1,1,2-Tetrachloroethane	23.9	1.0	ug/l	25.0		96	70-145		
1,1,2,2-Tetrachloroethane	23.8	1.0	ug/l	25.0		95	60-135		
Tetrachloroethene	25.2	1.0	ug/l	25.0		101	75-125		
Toluene	25.1	1.0	ug/l	25.0		100	70-120		
1,2,3-Trichlorobenzene	23.0	1.0	ug/l	25.0		92	65-135		
1,2,4-Trichlorobenzene	24.5	1.0	ug/l	25.0		98	70-140		
1,1,1-Trichloroethane	22.8	1.0	ug/l	25.0		91	75-140		
1,1,2-Trichloroethane	23.6	1.0	ug/l	25.0		94	65-125		
Trichloroethene	25.8	1.0	ug/l	25.0		103	75-120		
Trichlorofluoromethane	20.9	1.0	ug/l	25.0		84	60-145		
1,2,3-Trichloropropane	19.0	1.0	ug/l	25.0		76	60-130		
1,2,4-Trimethylbenzene	24.3	1.0	ug/l	25.0		97	75-125		
1,3,5-Trimethylbenzene	24.7	1.0	ug/l	25.0		99	75-125		
Vinyl chloride	19.8	0.50	ug/l	25.0		79	50-125		
o-Xylene	24.6	1.0	ug/l	25.0		98	75-125		
m,p-Xylenes	49.1	1.0	ug/l	50.0		98	70-120		
Surrogate: Dibromofluoromethane	24.8		ug/l	25.0		99	80-120		
Surrogate: Toluene-d8	25.7		ug/l	25.0		103	80-120		
Surrogate: 4-Bromofluorobenzene	24.6		ug/l	25.0		98	80-120		

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Camp, Dresser & McKee
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Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A27007 Extracted: 01/27/04										
Matrix Spike Analyzed: 01/27/04 (4A27007-MS1)										
Source: INA1211-08										
Benzene	23.2	0.50	ug/l	25.0	ND	93	70-120			
Bromobenzene	22.2	1.0	ug/l	25.0	ND	89	60-135			
Bromochloromethane	23.4	1.0	ug/l	25.0	ND	94	60-140			
Bromodichloromethane	19.3	1.0	ug/l	25.0	ND	77	70-140			
Bromoform	18.6	1.0	ug/l	25.0	ND	74	50-135			
Bromomethane	21.6	1.0	ug/l	25.0	ND	86	50-140			
n-Butylbenzene	21.1	1.0	ug/l	25.0	ND	84	70-135			
sec-Butylbenzene	21.8	1.0	ug/l	25.0	ND	87	70-130			
tert-Butylbenzene	20.7	1.0	ug/l	25.0	ND	83	70-130			
Carbon tetrachloride	17.9	0.50	ug/l	25.0	ND	72	70-140			
Chlorobenzene	22.5	1.0	ug/l	25.0	ND	90	80-125			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	50-145			
Chloroform	22.3	1.0	ug/l	25.0	ND	89	70-130			
Chloromethane	19.0	1.0	ug/l	25.0	ND	76	30-145			
2-Chlorotoluene	21.4	1.0	ug/l	25.0	ND	86	65-145			
4-Chlorotoluene	21.7	1.0	ug/l	25.0	ND	87	70-145			
Dibromochloromethane	19.0	1.0	ug/l	25.0	ND	76	65-145			
1,2-Dibromo-3-chloropropane	17.2	5.0	ug/l	25.0	ND	69	50-150			
1,2-Dibromoethane (EDB)	21.1	1.0	ug/l	25.0	ND	84	70-125			
Dibromomethane	20.5	1.0	ug/l	25.0	ND	82	65-135			
1,2-Dichlorobenzene	21.4	1.0	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	21.5	1.0	ug/l	25.0	ND	86	70-130			
1,4-Dichlorobenzene	21.7	1.0	ug/l	25.0	ND	87	75-120			
Dichlorodifluoromethane	11.3	5.0	ug/l	25.0	ND	45	10-160			
1,1-Dichloroethane	23.9	1.0	ug/l	25.0	ND	96	65-135			
1,2-Dichloroethane	18.8	0.50	ug/l	25.0	ND	75	60-150			
1,1-Dichloroethene	24.7	1.0	ug/l	25.0	ND	99	65-145			
cis-1,2-Dichloroethene	23.7	1.0	ug/l	25.0	ND	95	60-130			
trans-1,2-Dichloroethene	24.4	1.0	ug/l	25.0	ND	98	60-135			
1,2-Dichloropropane	24.4	1.0	ug/l	25.0	ND	98	60-130			
1,3-Dichloropropane	21.6	1.0	ug/l	25.0	ND	86	65-140			
2,2-Dichloropropane	22.0	1.0	ug/l	25.0	ND	88	60-150			
1,1-Dichloropropene	21.3	1.0	ug/l	25.0	ND	85	60-145			
cis-1,3-Dichloropropene	21.9	0.50	ug/l	25.0	ND	88	70-140			
trans-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-140			

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Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Qualifiers
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Batch: 4A27007 Extracted: 01/27/04

Matrix Spike Analyzed: 01/27/04 (4A27007-MS1)

					Source: INA1211-08		
Ethylbenzene	21.6	1.0	ug/l	25.0	ND	86	70-125
Hexachlorobutadiene	19.1	1.0	ug/l	25.0	ND	76	65-140
Isopropylbenzene	21.2	1.0	ug/l	25.0	ND	85	65-130
p-Isopropyltoluene	20.6	1.0	ug/l	25.0	ND	82	70-130
Methylene chloride	26.2	5.0	ug/l	25.0	ND	105	60-135
Naphthalene	19.2	1.0	ug/l	25.0	ND	77	50-145
n-Propylbenzene	22.7	1.0	ug/l	25.0	ND	91	70-135
Styrene	15.1	1.0	ug/l	25.0	ND	60	60-145
1,1,1,2-Tetrachloroethane	20.3	1.0	ug/l	25.0	ND	81	65-145
1,1,2,2-Tetrachloroethane	25.8	1.0	ug/l	25.0	ND	103	60-140
Tetrachloroethene	21.0	1.0	ug/l	25.0	ND	84	70-130
Toluene	22.1	1.0	ug/l	25.0	ND	88	65-120
1,2,3-Trichlorobenzene	19.6	1.0	ug/l	25.0	ND	78	60-135
1,2,4-Trichlorobenzene	20.9	1.0	ug/l	25.0	ND	84	55-140
1,1,1-Trichloroethane	19.4	1.0	ug/l	25.0	ND	78	75-140
1,1,2-Trichloroethane	23.4	1.0	ug/l	25.0	ND	94	60-135
Trichloroethene	21.3	1.0	ug/l	25.0	ND	85	70-125
Trichlorofluoromethane	18.1	1.0	ug/l	25.0	ND	72	50-150
1,2,3-Trichloropropane	20.4	1.0	ug/l	25.0	ND	82	60-140
1,2,4-Trimethylbenzene	20.7	1.0	ug/l	25.0	ND	83	60-125
1,3,5-Trimethylbenzene	20.8	1.0	ug/l	25.0	ND	83	70-130
Vinyl chloride	17.9	0.50	ug/l	25.0	ND	72	40-130
o-Xylene	21.3	1.0	ug/l	25.0	ND	85	65-125
m,p-Xylenes	43.5	1.0	ug/l	50.0	ND	87	60-125
Surrogate: Dibromofluoromethane	26.0		ug/l	25.0		104	80-120
Surrogate: Toluene-d8	25.7		ug/l	25.0		103	80-120
Surrogate: 4-Bromofluorobenzene	24.2		ug/l	25.0		97	80-120

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Project ID: PTI, Phibro-Tech 2279
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Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A27007 Extracted: 01/27/04</u>										
Matrix Spike Dup Analyzed: 01/27/04 (4A27007-MSD1)										
Source: INA1211-08										
Benzene	25.6	0.50	ug/l	25.0	ND	102	70-120	10	20	
Bromobenzene	24.8	1.0	ug/l	25.0	ND	99	60-135	11	25	
Bromochloromethane	25.8	1.0	ug/l	25.0	ND	103	60-140	10	25	
Bromodichloromethane	22.2	1.0	ug/l	25.0	ND	89	70-140	14	20	
Bromoform	22.2	1.0	ug/l	25.0	ND	89	50-135	18	25	
Bromomethane	21.8	1.0	ug/l	25.0	ND	87	50-140	1	25	
n-Butylbenzene	23.8	1.0	ug/l	25.0	ND	95	70-135	12	20	
sec-Butylbenzene	24.4	1.0	ug/l	25.0	ND	98	70-130	11	20	
tert-Butylbenzene	23.4	1.0	ug/l	25.0	ND	94	70-130	12	20	
Carbon tetrachloride	20.6	0.50	ug/l	25.0	ND	82	70-140	14	25	
Chlorobenzene	25.3	1.0	ug/l	25.0	ND	101	80-125	12	20	
Chloroethane	22.9	1.0	ug/l	25.0	ND	92	50-145	13	25	
Chloroform	24.6	1.0	ug/l	25.0	ND	98	70-130	10	20	
Chloromethane	20.5	1.0	ug/l	25.0	ND	82	30-145	8	30	
2-Chlorotoluene	23.9	1.0	ug/l	25.0	ND	96	65-145	11	25	
4-Chlorotoluene	24.2	1.0	ug/l	25.0	ND	97	70-145	11	20	
Dibromochloromethane	21.9	1.0	ug/l	25.0	ND	88	65-145	14	20	
1,2-Dibromo-3-chloropropane	18.7	5.0	ug/l	25.0	ND	75	50-150	8	25	
1,2-Dibromoethane (EDB)	23.5	1.0	ug/l	25.0	ND	94	70-125	11	20	
Dibromomethane	23.5	1.0	ug/l	25.0	ND	94	65-135	14	20	
1,1-Dichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	70-130	12	20	
1,3-Dichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	70-130	12	20	
1,4-Dichlorobenzene	24.4	1.0	ug/l	25.0	ND	98	75-120	12	20	
Dichlorodifluoromethane	12.7	5.0	ug/l	25.0	ND	51	10-160	12	30	
1,1-Dichloroethane	26.4	1.0	ug/l	25.0	ND	106	65-135	10	20	
1,2-Dichloroethane	20.9	0.50	ug/l	25.0	ND	84	60-150	11	25	
1,1-Dichloroethene	27.0	1.0	ug/l	25.0	ND	108	65-145	9	25	
cis-1,2-Dichloroethene	26.5	1.0	ug/l	25.0	ND	106	60-130	11	20	
trans-1,2-Dichloroethene	26.6	1.0	ug/l	25.0	ND	106	60-135	9	20	
1,2-Dichloropropane	27.1	1.0	ug/l	25.0	ND	108	60-130	10	20	
1,3-Dichloropropane	24.3	1.0	ug/l	25.0	ND	97	65-140	12	25	
2,2-Dichloropropane	24.0	1.0	ug/l	25.0	ND	96	60-150	9	20	
1,1-Dichloropropene	24.3	1.0	ug/l	25.0	ND	97	60-145	13	20	
cis-1,3-Dichloropropene	25.1	0.50	ug/l	25.0	ND	100	70-140	14	20	
trans-1,3-Dichloropropene	23.0	0.50	ug/l	25.0	ND	92	70-140	11	20	

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Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 4A27007 Extracted: 01/27/04

Matrix Spike Dup Analyzed: 01/27/04 (4A27007-MSD1)

					Source: INA1211-08					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Ethylbenzene	24.2	1.0	ug/l	25.0	ND	97	70-125	11	20	
Hexachlorobutadiene	21.3	1.0	ug/l	25.0	ND	85	65-140	11	25	
Isopropylbenzene	23.9	1.0	ug/l	25.0	ND	96	65-130	12	25	
p-Isopropyltoluene	23.4	1.0	ug/l	25.0	ND	94	70-130	13	20	
Methylene chloride	28.0	5.0	ug/l	25.0	ND	112	60-135	7	20	
Naphthalene	22.6	1.0	ug/l	25.0	ND	90	50-145	16	25	
n-Propylbenzene	25.7	1.0	ug/l	25.0	ND	103	70-135	12	20	
Styrene	7.67	1.0	ug/l	25.0	ND	31	60-145	65	25	M2, R-3
1,1,1,2-Tetrachloroethane	22.9	1.0	ug/l	25.0	ND	92	65-145	12	20	
1,1,2,2-Tetrachloroethane	28.5	1.0	ug/l	25.0	ND	114	60-140	10	25	
Tetrachloroethene	23.9	1.0	ug/l	25.0	ND	96	70-130	13	20	
Toluene	24.8	1.0	ug/l	25.0	ND	99	65-120	12	20	
1,2,3-Trichlorobenzene	23.7	1.0	ug/l	25.0	ND	95	60-135	19	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	55-140	15	25	
1,1,1-Trichloroethane	22.2	1.0	ug/l	25.0	ND	89	75-140	13	20	
1,1,2-Trichloroethane	24.8	1.0	ug/l	25.0	ND	99	60-135	6	20	
Trichloroethene	24.5	1.0	ug/l	25.0	ND	98	70-125	14	20	
Trichlorofluoromethane	20.2	1.0	ug/l	25.0	ND	81	50-150	11	25	
1,2,3-Trichloropropane	22.2	1.0	ug/l	25.0	ND	89	60-140	8	25	
1,2,4-Trimethylbenzene	22.7	1.0	ug/l	25.0	ND	91	60-125	9	20	
1,3,5-Trimethylbenzene	23.3	1.0	ug/l	25.0	ND	93	70-130	11	20	
Vinyl chloride	19.4	0.50	ug/l	25.0	ND	78	40-130	8	25	
o-Xylene	24.2	1.0	ug/l	25.0	ND	97	65-125	13	20	
m,p-Xylenes	49.2	1.0	ug/l	50.0	ND	98	60-125	12	25	
Surrogate: Dibromofluoromethane	25.2		ug/l	25.0		101	80-120			
Surrogate: Toluene-d8	25.4		ug/l	25.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	24.9		ug/l	25.0		100	80-120			

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A27008 Extracted: 01/27/04</u>										
Blank Analyzed: 01/27/04 (4A27008-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Limit	Qualifiers
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Batch: 4A27008 Extracted: 01/27/04

Blank Analyzed: 01/27/04 (4A27008-BLK1)

Ethylbenzene	ND	1.0	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	27.3		ug/l	25.0		109	80-120			
Surrogate: Toluene-d8	26.6		ug/l	25.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	27.2		ug/l	25.0		109	80-120			

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PhibroTech
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Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Data Qualifiers
Batch: 4A27008 Extracted: 01/27/04									
LCS Analyzed: 01/27/04 (4A27008-BS1)									
Benzene	24.4	0.50	ug/l	25.0	98	70-120			
Bromobenzene	27.6	1.0	ug/l	25.0	110	80-120			
Bromochloromethane	26.4	1.0	ug/l	25.0	106	65-135			
Bromodichloromethane	29.0	1.0	ug/l	25.0	116	70-140			
Bromoform	28.1	1.0	ug/l	25.0	112	50-135			
Bromomethane	24.7	1.0	ug/l	25.0	99	60-140			
n-Butylbenzene	28.3	1.0	ug/l	25.0	113	75-130			
sec-Butylbenzene	28.5	1.0	ug/l	25.0	114	75-125			
tert-Butylbenzene	30.0	1.0	ug/l	25.0	120	75-125			
Carbon tetrachloride	30.4	0.50	ug/l	25.0	122	70-140			
Chlorobenzene	26.2	1.0	ug/l	25.0	105	80-125			
Chloroethane	23.6	1.0	ug/l	25.0	94	60-145			
Chloroform	26.6	1.0	ug/l	25.0	106	70-130			
Chloromethane	18.6	1.0	ug/l	25.0	74	40-145			
2-Chlorotoluene	27.9	1.0	ug/l	25.0	112	75-125			
4-Chlorotoluene	28.6	1.0	ug/l	25.0	114	75-125			
Dibromochloromethane	28.6	1.0	ug/l	25.0	114	65-145			
1,2-Dibromo-3-chloropropane	26.4	5.0	ug/l	25.0	106	50-130			
1,2-Dibromoethane (EDB)	26.3	1.0	ug/l	25.0	105	70-125			
Dibromomethane	26.9	1.0	ug/l	25.0	108	70-130			
1,2-Dichlorobenzene	28.4	1.0	ug/l	25.0	114	75-120			
1,3-Dichlorobenzene	26.9	1.0	ug/l	25.0	108	75-120			
1,4-Dichlorobenzene	26.7	1.0	ug/l	25.0	107	80-120			
Dichlorodifluoromethane	16.7	5.0	ug/l	25.0	67	10-160			
1,1-Dichloroethane	24.9	1.0	ug/l	25.0	100	70-135			
1,2-Dichloroethane	28.8	0.50	ug/l	25.0	115	60-150			
1,1-Dichloroethene	25.7	1.0	ug/l	25.0	103	75-140			
cis-1,2-Dichloroethene	25.4	1.0	ug/l	25.0	102	65-125			
trans-1,2-Dichloroethene	25.8	1.0	ug/l	25.0	103	65-130			
1,2-Dichloropropane	24.4	1.0	ug/l	25.0	98	65-120			
1,3-Dichloropropane	24.6	1.0	ug/l	25.0	98	70-130			
2,2-Dichloropropane	26.9	1.0	ug/l	25.0	108	70-150			
1,1-Dichloropropene	26.8	1.0	ug/l	25.0	107	75-130			
cis-1,3-Dichloropropene	27.9	0.50	ug/l	25.0	112	70-130			
trans-1,3-Dichloropropene	29.2	0.50	ug/l	25.0	117	75-135			

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Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit Qualifiers
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Batch: 4A27008 Extracted: 01/27/04

LCS Analyzed: 01/27/04 (4A27008-BS1)

Ethylbenzene	27.9	1.0	ug/l	25.0		112	80-120		
Hexachlorobutadiene	27.7	1.0	ug/l	25.0		111	65-140		
Isopropylbenzene	29.4	1.0	ug/l	25.0		118	70-125		
p-Isopropyltoluene	27.2	1.0	ug/l	25.0		109	75-125		
Methylene chloride	24.4	5.0	ug/l	25.0		98	60-135		
Naphthalene	28.2	1.0	ug/l	25.0		113	50-145		
n-Propylbenzene	29.3	1.0	ug/l	25.0		117	75-130		
Styrene	30.4	1.0	ug/l	25.0		122	80-135		
1,1,1,2-Tetrachloroethane	27.8	1.0	ug/l	25.0		111	70-145		
1,1,2,2-Tetrachloroethane	23.7	1.0	ug/l	25.0		95	60-135		
Tetrachloroethene	27.8	1.0	ug/l	25.0		111	75-125		
Toluene	25.8	1.0	ug/l	25.0		103	70-120		
1,2,3-Trichlorobenzene	28.3	1.0	ug/l	25.0		113	65-135		
1,2,4-Trichlorobenzene	29.4	1.0	ug/l	25.0		118	70-140		
1,1,1-Trichloroethane	28.7	1.0	ug/l	25.0		115	75-140		
1,1,2-Trichloroethane	25.4	1.0	ug/l	25.0		102	65-125		
Trichloroethene	26.9	1.0	ug/l	25.0		108	75-120		
Trichlorofluoromethane	26.5	1.0	ug/l	25.0		106	60-145		
1,2,3-Trichloropropane	24.4	1.0	ug/l	25.0		98	60-130		
1,2,4-Trimethylbenzene	28.9	1.0	ug/l	25.0		116	75-125		
1,3,5-Trimethylbenzene	29.0	1.0	ug/l	25.0		116	75-125		
Vinyl chloride	22.3	0.50	ug/l	25.0		89	50-125		
o-Xylene	27.4	1.0	ug/l	25.0		110	75-125		
m,p-Xylenes	54.4	1.0	ug/l	50.0		109	70-120		
Surrogate: Dibromofluoromethane	27.4		ug/l	25.0		110	80-120		
Surrogate: Toluene-d8	26.9		ug/l	25.0		108	80-120		
Surrogate: 4-Bromofluorobenzene	26.7		ug/l	25.0		107	80-120		

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A27008 Extracted: 01/27/04										
Matrix Spike Analyzed: 01/27/04 (4A27008-MS1)										
Source: INA1151-05										
Benzene	27.9	0.50	ug/l	25.0	ND	112	70-120			
Bromobenzene	30.4	1.0	ug/l	25.0	ND	122	60-135			
Bromochloromethane	29.6	1.0	ug/l	25.0	ND	118	60-140			
Bromodichloromethane	33.3	1.0	ug/l	25.0	ND	133	70-140			
Bromoform	30.7	1.0	ug/l	25.0	ND	123	50-135			
Bromomethane	28.8	1.0	ug/l	25.0	ND	115	50-140			
n-Butylbenzene	32.0	1.0	ug/l	25.0	ND	128	70-135			
sec-Butylbenzene	32.0	1.0	ug/l	25.0	ND	128	70-130			
tert-Butylbenzene	34.1	1.0	ug/l	25.0	ND	136	70-130			MJ
Carbon tetrachloride	35.2	0.50	ug/l	25.0	ND	141	70-140			MJ
Chlorobenzene	30.0	1.0	ug/l	25.0	ND	120	80-125			
Chloroethane	27.2	1.0	ug/l	25.0	ND	109	50-145			
Chloroform	31.2	1.0	ug/l	25.0	0.41	123	70-130			
Chloromethane	21.4	1.0	ug/l	25.0	ND	86	30-145			
2-Chlorotoluene	31.5	1.0	ug/l	25.0	ND	126	65-145			
4-Chlorotoluene	31.9	1.0	ug/l	25.0	ND	128	70-145			
Dibromochloromethane	31.8	1.0	ug/l	25.0	ND	127	65-145			
1,2-Dibromo-3-chloropropane	27.2	5.0	ug/l	25.0	ND	109	50-150			
1,2-Dibromoethane (EDB)	28.8	1.0	ug/l	25.0	ND	115	70-125			
Dibromomethane	29.6	1.0	ug/l	25.0	ND	118	65-135			
1,2-Dichlorobenzene	31.6	1.0	ug/l	25.0	ND	126	70-130			
1,3-Dichlorobenzene	30.1	1.0	ug/l	25.0	ND	120	70-130			
1,4-Dichlorobenzene	30.1	1.0	ug/l	25.0	ND	120	75-120			
Dichlorodifluoromethane	19.0	5.0	ug/l	25.0	ND	76	10-160			
1,1-Dichloroethane	28.9	1.0	ug/l	25.0	ND	116	65-135			
1,2-Dichloroethane	32.1	0.50	ug/l	25.0	ND	128	60-150			
1,1-Dichloroethene	27.2	1.0	ug/l	25.0	0.34	107	65-145			
cis-1,2-Dichloroethene	30.5	1.0	ug/l	25.0	ND	122	60-130			
trans-1,2-Dichloroethene	28.1	1.0	ug/l	25.0	ND	112	60-135			
1,2-Dichloropropane	27.4	1.0	ug/l	25.0	ND	110	60-130			
1,3-Dichloropropane	27.4	1.0	ug/l	25.0	ND	110	65-140			
2,2-Dichloropropane	33.2	1.0	ug/l	25.0	ND	133	60-150			
1,1-Dichloropropene	29.8	1.0	ug/l	25.0	ND	119	60-145			
cis-1,3-Dichloropropene	31.5	0.50	ug/l	25.0	ND	126	70-140			
trans-1,3-Dichloropropene	32.4	0.50	ug/l	25.0	ND	130	70-140			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A27008 Extracted: 01/27/04										
Matrix Spike Analyzed: 01/27/04 (4A27008-MS1)										
Source: INA1151-05										
Ethylbenzene	31.7	1.0	ug/l	25.0	ND	127	70-125			M1
Hexachlorobutadiene	31.7	1.0	ug/l	25.0	ND	127	65-140			
Isopropylbenzene	32.8	1.0	ug/l	25.0	ND	131	65-130			M1
p-Isopropyltoluene	28.4	1.0	ug/l	25.0	ND	114	70-130			
Methylene chloride	27.9	5.0	ug/l	25.0	ND	112	60-135			
Naphthalene	24.5	1.0	ug/l	25.0	ND	98	50-145			
n-Propylbenzene	32.6	1.0	ug/l	25.0	ND	130	70-135			
Styrene	9.89	1.0	ug/l	25.0	ND	40	60-145			M2
1,1,1,2-Tetrachloroethane	31.1	1.0	ug/l	25.0	ND	124	65-145			
1,1,2,2-Tetrachloroethane	26.9	1.0	ug/l	25.0	ND	108	60-140			
Tetrachloroethene	43.3	1.0	ug/l	25.0	12	125	70-130			
Toluene	29.6	1.0	ug/l	25.0	ND	118	65-120			
1,2,3-Trichlorobenzene	31.4	1.0	ug/l	25.0	ND	126	60-135			
1,2,4-Trichlorobenzene	33.1	1.0	ug/l	25.0	ND	132	55-140			
1,1,1-Trichloroethane	33.5	1.0	ug/l	25.0	ND	134	75-140			
1,1,2-Trichloroethane	27.5	1.0	ug/l	25.0	ND	110	60-135			
Trichloroethene	50.8	1.0	ug/l	25.0	22	115	70-125			
Trichlorofluoromethane	31.4	1.0	ug/l	25.0	0.51	124	50-150			
1,2,3-Trichloropropane	26.0	1.0	ug/l	25.0	ND	104	60-140			
1,2,4-Trimethylbenzene	16.5	1.0	ug/l	25.0	ND	66	60-125			
1,3,5-Trimethylbenzene	28.0	1.0	ug/l	25.0	ND	112	70-130			
Vinyl chloride	25.6	0.50	ug/l	25.0	ND	102	40-130			
o-Xylene	31.4	1.0	ug/l	25.0	ND	126	65-125			M1
m,p-Xylenes	58.5	1.0	ug/l	50.0	ND	117	60-125			
Surrogate: Dibromofluoromethane	27.2		ug/l	25.0		109	80-120			
Surrogate: Toluene-d8	26.8		ug/l	25.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	27.0		ug/l	25.0		108	80-120			

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Camp, Dresser & McKee
 18581 Teller Avenue, #200
 Irvine, CA 92612
 Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
 PhibroTech
 Report Number: INA1151

Sampled: 01/22/04
 Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A27008 Extracted: 01/27/04										
Matrix Spike Dup Analyzed: 01/27/04 (4A27008-MSD1)										
Source: INA1151-05										
Benzene	28.7	0.50	ug/l	25.0	ND	115	70-120	3	20	
Bromobenzene	31.2	1.0	ug/l	25.0	ND	125	60-135	3	25	
Bromoform	30.5	1.0	ug/l	25.0	ND	122	50-135	1	25	
Bromomethane	30.3	1.0	ug/l	25.0	ND	121	50-140	5	25	
n-Butylbenzene	33.0	1.0	ug/l	25.0	ND	132	70-135	3	20	
sec-Butylbenzene	33.1	1.0	ug/l	25.0	ND	132	70-130	3	20	MJ
tert-Butylbenzene	35.1	1.0	ug/l	25.0	ND	140	70-130	3	20	MJ
Carbon tetrachloride	35.0	0.50	ug/l	25.0	ND	140	70-140	1	25	
Chlorobenzene	31.2	1.0	ug/l	25.0	ND	125	80-125	4	20	
Chloroethane	29.5	1.0	ug/l	25.0	ND	118	50-145	8	25	
Chloroform	31.6	1.0	ug/l	25.0	0.41	125	70-130	1	20	
Chloromethane	23.6	1.0	ug/l	25.0	ND	94	30-145	10	30	
2-Chlorotoluene	32.4	1.0	ug/l	25.0	ND	130	65-145	3	25	
4-Chlorotoluene	32.8	1.0	ug/l	25.0	ND	131	70-145	3	20	
Dibromochloromethane	32.0	1.0	ug/l	25.0	ND	128	65-145	1	20	
1,2-Dibromo-3-chloropropane	26.6	5.0	ug/l	25.0	ND	106	50-150	2	25	
1,2-Dibromoethane (EDB)	28.6	1.0	ug/l	25.0	ND	114	70-125	1	20	
Dibromomethane	29.0	1.0	ug/l	25.0	ND	116	65-135	2	20	
1,2-Dichlorobenzene	32.0	1.0	ug/l	25.0	ND	128	70-130	1	20	
1,3-Dichlorobenzene	31.1	1.0	ug/l	25.0	ND	124	70-130	3	20	
1,4-Dichlorobenzene	30.5	1.0	ug/l	25.0	ND	122	75-120	1	20	MJ
Dichlorodifluoromethane	19.7	5.0	ug/l	25.0	ND	79	10-160	4	30	
1,1-Dichloroethane	29.3	1.0	ug/l	25.0	ND	117	65-135	1	20	
1,2-Dichloroethane	31.8	0.50	ug/l	25.0	ND	127	60-150	1	25	
1,1-Dichloroethene	28.5	1.0	ug/l	25.0	0.34	113	65-145	5	25	
cis-1,2-Dichloroethene	31.6	1.0	ug/l	25.0	ND	126	60-130	4	20	
trans-1,2-Dichloroethene	29.0	1.0	ug/l	25.0	ND	116	60-135	3	20	
1,2-Dichloropropane	28.4	1.0	ug/l	25.0	ND	114	60-130	4	20	
1,3-Dichloropropane	27.4	1.0	ug/l	25.0	ND	110	65-140	0	25	
2,2-Dichloropropane	34.3	1.0	ug/l	25.0	ND	137	60-150	3	20	
1,1-Dichloropropene	30.6	1.0	ug/l	25.0	ND	122	60-145	3	20	
cis-1,3-Dichloropropene	31.4	0.50	ug/l	25.0	ND	126	70-140	0	20	
trans-1,3-Dichloropropene	32.3	0.50	ug/l	25.0	ND	129	70-140	0	20	

Del Mar Analytical, Irvine

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A27008 Extracted: 01/27/04</u>										
Matrix Spike Dup Analyzed: 01/27/04 (4A27008-MSD1)					Source: INA1151-05					
Ethylbenzene	32.9	1.0	ug/l	25.0	ND	132	70-125	4	20	M1
Hexachlorobutadiene	32.6	1.0	ug/l	25.0	ND	130	65-140	3	25	
Isopropylbenzene	33.8	1.0	ug/l	25.0	ND	135	65-130	3	25	M1
p-Isopropyltoluene	29.7	1.0	ug/l	25.0	ND	119	70-130	4	20	
Methylene chloride	28.6	5.0	ug/l	25.0	ND	114	60-135	2	20	
Naphthalene	24.1	1.0	ug/l	25.0	ND	96	50-145	2	25	
n-Propylbenzene	33.5	1.0	ug/l	25.0	ND	134	70-135	3	20	
Styrene	10.2	1.0	ug/l	25.0	ND	41	60-145	3	25	M2
1,1,1,2-Tetrachloroethane	32.2	1.0	ug/l	25.0	ND	129	65-145	3	20	
1,1,2,2-Tetrachloroethane	26.6	1.0	ug/l	25.0	ND	106	60-140	1	25	
Tetrachloroethene	44.7	1.0	ug/l	25.0	12	131	70-130	3	20	M1
Toluene	30.0	1.0	ug/l	25.0	ND	120	65-120	1	20	
1,2,3-Trichlorobenzene	31.7	1.0	ug/l	25.0	ND	127	60-135	1	20	
1,2,4-Trichlorobenzene	33.6	1.0	ug/l	25.0	ND	134	55-140	1	25	
1,1,1-Trichloroethane	33.4	1.0	ug/l	25.0	ND	134	75-140	0	20	
1,1,2-Trichloroethane	27.3	1.0	ug/l	25.0	ND	109	60-135	1	20	
Trichloroethene	51.4	1.0	ug/l	25.0	22	118	70-125	1	20	
Trichlorofluoromethane	31.6	1.0	ug/l	25.0	0.51	124	50-150	1	25	
1,2,3-Trichloropropane	25.6	1.0	ug/l	25.0	ND	102	60-140	2	25	
1,2,4-Trimethylbenzene	17.4	1.0	ug/l	25.0	ND	70	60-125	5	20	
1,3,5-Trimethylbenzene	29.5	1.0	ug/l	25.0	ND	118	70-130	5	20	
Vinyl chloride	28.1	0.50	ug/l	25.0	ND	112	40-130	9	25	
o-Xylene	32.4	1.0	ug/l	25.0	ND	130	65-125	3	20	M1
m,p-Xylenes	62.1	1.0	ug/l	50.0	ND	124	60-125	6	25	
Surrogate: Dibromofluoromethane	27.0		ug/l	25.0		108	80-120			
Surrogate: Toluene-d8	26.6		ug/l	25.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	27.4		ug/l	25.0		110	80-120			

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Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 4A23041 Extracted: 01/23/04

Blank Analyzed: 01/23/04 (4A23041-BLK1)

Cadmium	ND	0.0050	mg/l
Chromium	ND	0.0050	mg/l
Copper	ND	0.010	mg/l

LCS Analyzed: 01/23/04 (4A23041-BS1)

Cadmium	1.01	0.0050	mg/l	1.00		101	80-120
Chromium	1.02	0.0050	mg/l	1.00		102	80-120
Copper	1.03	0.010	mg/l	1.00		103	80-120

Matrix Spike Analyzed: 01/23/04 (4A23041-MS1)

Source: INA1151-01

Cadmium	1.03	0.0050	mg/l	1.00	ND	103	75-125
Chromium	1.04	0.0050	mg/l	1.00	0.0056	103	75-125
Copper	0.987	0.010	mg/l	1.00	0.0068	98	75-125

Matrix Spike Dup Analyzed: 01/23/04 (4A23041-MSD1)

Source: INA1151-01

Cadmium	0.996	0.0050	mg/l	1.00	ND	100	75-125	3	20
Chromium	1.03	0.0050	mg/l	1.00	0.0056	102	75-125	1	20
Copper	0.960	0.010	mg/l	1.00	0.0068	95	75-125	3	20

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Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 4A22096 Extracted: 01/22/04

Blank Analyzed: 01/22/04 (4A22096-BLK1)

Chromium VI ND 0.0010 mg/l

LCS Analyzed: 01/22/04 (4A22096-BS1)

Chromium VI 0.0508 0.0010 mg/l 0.0500 102 90-110

Matrix Spike Analyzed: 01/22/04 (4A22096-MS1)

Chromium VI 0.0579 0.0010 mg/l 0.0500 0.0064 103 80-115

Matrix Spike Dup Analyzed: 01/22/04 (4A22096-MSD1)

Chromium VI 0.0561 0.0010 mg/l 0.0500 0.0064 99 80-115 3 15

Batch: 4A22107 Extracted: 01/22/04

Duplicate Analyzed: 01/22/04 (4A22107-DUP1)

pH	7.88	NA	pH Units	Source: INA1144-01	7.87	0	5
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Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

DATA QUALIFIERS AND DEFINITIONS

- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- R-3** The RPD exceeded the method control limit due to sample matrix effects.
- RL-3** Reporting limit raised due to high concentrations of non-target analytes.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

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Patty Mata
Project Manager

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Attention: Sharon Wallin

Project ID: PTI, Phibro-Tech 2279
PhibroTech
Report Number: INA1151

Sampled: 01/22/04
Received: 01/22/04

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 150.1	Water	X	X
EPA 6010B-Diss	Water	X	X
EPA 7199	Water	X	X
EPA 8260B	Water	X	X

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Patty Mata
Project Manager



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LABORATORY REPORT

Prepared For: Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project: PTI-PhibroTech-2279, Jan 2004

Sampled: 01/23/04
Received: 01/23/04
Issued: 02/20/04

NELAP #01108CA CA ELAP #1197

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

- SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.
- HOLDING TIMES: Holding times were met.
- PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
- QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
- COMMENTS: Hexavalent Chromium and Dissolved 'Total' Chromium results were reviewed and selected samples were re-analyzed to confirm results. The Dissolved 'Total' Chromium values are usually the same as or higher than the Hexavalent Chromium values for most samples. Sample concentrations were similar between the original the re-analysis runs for both Hexavalent and Dissolved 'Total' Chromium.
- SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
INA1203-01	PTI-TB03-060	Water
INA1203-02	PTI-MW35-060	Water
INA1203-03	PTI-MW04-060	Water
INA1203-04	PTI-MW16-060	Water
INA1203-05	PTI-MW37-060	Water
INA1203-06	PTI-MW09-060	Water
INA1203-07	PTI-MW11-060	Water

A handwritten signature in black ink, appearing to read "Patty Mata".

Del Mar Analytical, Irvine
Patty Mata
Project Manager



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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04

Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Reporting Batch	Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-01 (PTI-TB03-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
Bromobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Bromochloromethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Bromodichloromethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Bromoform	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Bromomethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
n-Butylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
sec-Butylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
tert-Butylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Carbon tetrachloride	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
Chlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Chloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Chloroform	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Chloromethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
2-Chlorotoluene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
4-Chlorotoluene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Dibromochloromethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A27008	5.0	ND	1	1/27/2004	1/27/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Dibromomethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2-Dichlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,3-Dichlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,4-Dichlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Dichlorodifluoromethane	EPA 8260B	4A27008	5.0	ND	1	1/27/2004	1/27/2004	
1,1-Dichloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2-Dichloroethane	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
1,1-Dichloroethene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2-Dichloropropane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,3-Dichloropropane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
2,2-Dichloropropane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,1-Dichloropropene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
Ethylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Hexachlorobutadiene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Isopropylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
p-Isopropyltoluene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Methylene chloride	EPA 8260B	4A27008	5.0	ND	1	1/27/2004	1/27/2004	

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Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-01 (PTI-TB03-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
n-Propylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Styrene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Tetrachloroethylene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Toluene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,1,1-Trichloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,1,2-Trichloroethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Trichloroethylene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Trichlorofluoromethane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Vinyl chloride	EPA 8260B	4A27008	0.50	ND	1	1/27/2004	1/27/2004	
o-Xylene	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
m,p-Xylenes	EPA 8260B	4A27008	1.0	ND	1	1/27/2004	1/27/2004	
Surrogate: Dibromofluoromethane (80-120%)						108 %		
Surrogate: Toluene-d8 (80-120%)						105 %		
Surrogate: 4-Bromofluorobenzene (80-120%)						108 %		

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Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Reporting Batch	Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-02 (PTI-MW35-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A27008	1.2	6.3	2.5	1/27/2004	1/27/2004	
Bromobenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Bromochloromethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Bromodichloromethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Bromoform	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Bromomethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
n-Butylbenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
sec-Butylbenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
tert-Butylbenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Carbon tetrachloride	EPA 8260B	4A27008	1.2	ND	2.5	1/27/2004	1/27/2004	
Chlorobenzene	EPA 8260B	4A27008	2.5	3.2	2.5	1/27/2004	1/27/2004	
Chloroethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Chloroform	EPA 8260B	4A27008	2.5	16	2.5	1/27/2004	1/27/2004	
Chloromethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
2-Chlorotoluene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
4-Chlorotoluene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Dibromochloromethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A27008	12	ND	2.5	1/27/2004	1/27/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Dibromomethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,2-Dichlorobenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,3-Dichlorobenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,4-Dichlorobenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Dichlorodifluoromethane	EPA 8260B	4A27008	12	ND	2.5	1/27/2004	1/27/2004	
1,1-Dichloroethane	EPA 8260B	4A27008	2.5	190	2.5	1/27/2004	1/27/2004	
1,2-Dichloroethane	EPA 8260B	4A27008	1.2	140	2.5	1/27/2004	1/27/2004	
1,1-Dichloroethene	EPA 8260B	4A27008	2.5	76	2.5	1/27/2004	1/27/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A27008	2.5	150	2.5	1/27/2004	1/27/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A27008	2.5	3.4	2.5	1/27/2004	1/27/2004	
1,2-Dichloropropane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,3-Dichloropropane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
2,2-Dichloropropane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,1-Dichloropropene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A27008	1.2	ND	2.5	1/27/2004	1/27/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A27008	1.2	ND	2.5	1/27/2004	1/27/2004	
Ethylbenzene	EPA 8260B	4A27008	2.5	210	2.5	1/27/2004	1/27/2004	
Hexachlorobutadiene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Isopropylbenzene	EPA 8260B	4A27008	2.5	25	2.5	1/27/2004	1/27/2004	
p-Isopropyltoluene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Methylene chloride	EPA 8260B	4A27008	12	67	2.5	1/27/2004	1/27/2004	

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-02 (PTI-MW35-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
n-Propylbenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Styrene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,1,2-Tetrachloroethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Tetrachloroethylene								
Toluene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,1,1-Trichloroethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,1,2-Trichloroethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Trichloroethylene								
Trichlorofluoromethane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,2,3-Trichloropropane	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
Vinyl chloride	EPA 8260B	4A27008	1.2	ND	2.5	1/27/2004	1/27/2004	
o-Xylene	EPA 8260B	4A27008	2.5	ND	2.5	1/27/2004	1/27/2004	
m,p-Xylenes	EPA 8260B	4A27008	2.5	13	2.5	1/27/2004	1/27/2004	
Surrogate: Dibromofluoromethane (80-120%)								
Surrogate: Toluene-d8 (80-120%)								
Surrogate: 4-Bromofluorobenzene (80-120%)								
				108 %				
				106 %				
				112 %				

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-03 (PTI-MW04-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A28022	2.0	5.7	4	1/28/2004	1/29/2004	
Bromobenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Bromochloromethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Bromodichloromethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Bromoform	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Bromomethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
n-Butylbenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
sec-Butylbenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
tert-Butylbenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Carbon tetrachloride	EPA 8260B	4A28022	2.0	ND	4	1/28/2004	1/29/2004	
Chlorobenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Chloroethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Chloroform	EPA 8260B	4A28022	4.0	16	4	1/28/2004	1/29/2004	
Chloromethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
2-Chlorotoluene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
4-Chlorotoluene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Dibromochloromethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A28022	20	ND	4	1/28/2004	1/29/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Dibromomethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,2-Dichlorobenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,3-Dichlorobenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,4-Dichlorobenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Dichlorodifluoromethane	EPA 8260B	4A28022	20	ND	4	1/28/2004	1/29/2004	
1,1-Dichloroethane	EPA 8260B	4A28022	4.0	200	4	1/28/2004	1/29/2004	
1,2-Dichloroethane	EPA 8260B	4A28022	2.0	120	4	1/28/2004	1/29/2004	
1,1-Dichloroethene	EPA 8260B	4A28022	4.0	74	4	1/28/2004	1/29/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A28022	4.0	170	4	1/28/2004	1/29/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,2-Dichloropropane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,3-Dichloropropane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
2,2-Dichloropropane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,1-Dichloropropene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A28022	2.0	ND	4	1/28/2004	1/29/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A28022	2.0	ND	4	1/28/2004	1/29/2004	
Ethylbenzene	EPA 8260B	4A28022	4.0	200	4	1/28/2004	1/29/2004	
Hexachlorobutadiene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Isopropylbenzene	EPA 8260B	4A28022	4.0	21	4	1/28/2004	1/29/2004	
p-Isopropyltoluene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Methylene chloride	EPA 8260B	4A28022	20	73	4	1/28/2004	1/29/2004	

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Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-03 (PTI-MW04-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
n-Propylbenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Styrene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Tetrachloroethylene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Toluene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,1,1-Trichloroethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,1,2-Trichloroethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Trichloroethylene	EPA 8260B	4A28022	4.0	190	4	1/28/2004	1/29/2004	
Trichlorofluoromethane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
Vinyl chloride	EPA 8260B	4A28022	2.0	ND	4	1/28/2004	1/29/2004	
o-Xylene	EPA 8260B	4A28022	4.0	ND	4	1/28/2004	1/29/2004	
m,p-Xylenes	EPA 8260B	4A28022	4.0	9.6	4	1/28/2004	1/29/2004	
Surrogate: Dibromofluoromethane (80-120%)								
Surrogate: Toluene-d8 (80-120%)								
Surrogate: 4-Bromofluorobenzene (80-120%)								
				109 %				
				101 %				
				99 %				

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Patty Mata
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Camp, Dresser & McKee
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Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-04 (PTI-MW16-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
Bromobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromochloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromodichloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromomethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
n-Butylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
sec-Butylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
tert-Butylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Carbon tetrachloride	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
Chlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Chloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Chloroform	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Chloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
2-Chlorotoluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
4-Chlorotoluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Dibromochloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A26027	5.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Dibromomethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,4-Dichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Dichlorodifluoromethane	EPA 8260B	4A26027	5.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethane	EPA 8260B	4A26027	1.0	63	1	1/26/2004	1/26/2004	
1,2-Dichloroethane	EPA 8260B	4A26027	0.50	8.1	1	1/26/2004	1/26/2004	
1,1-Dichloroethene	EPA 8260B	4A26027	1.0	7.1	1	1/26/2004	1/26/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A26027	1.0	15	1	1/26/2004	1/26/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A26027	1.0	3.2	1	1/26/2004	1/26/2004	
1,2-Dichloropropane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichloropropane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
2,2-Dichloropropane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloropropene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
Ethylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Hexachlorobutadiene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Isopropylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
p-Isopropyltoluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Methylene chloride	EPA 8260B	4A26027	5.0	ND	1	1/26/2004	1/26/2004	

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-04 (PTI-MW16-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
n-Propylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Styrene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Tetrachloroethene	EPA 8260B	4A26027	1.0	1.8	1	1/26/2004	1/26/2004	
Toluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1-Trichloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2-Trichloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Trichloroethene	EPA 8260B	4A26027	1.0	17	1	1/26/2004	1/26/2004	
Trichlorofluoromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichloropropane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Vinyl chloride	EPA 8260B	4A26027	0.50	0.58	1	1/26/2004	1/26/2004	
o-Xylene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
m,p-Xylenes	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Surrogate: Dibromofluoromethane (80-120%)						104 %		
Surrogate: Toluene-d8 (80-120%)						114 %		
Surrogate: 4-Bromofluorobenzene (80-120%)						100 %		

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04

Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Reporting Batch	Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-05 (PTI-MW37-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
Bromobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromochloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromodichloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromomethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
n-Butylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
sec-Butylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
tert-Butylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Carbon tetrachloride	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
Chlorobenzene	EPA 8260B	4A26027	1.0	1.7	1	1/26/2004	1/26/2004	
Chloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Chloroform	EPA 8260B	4A26027	1.0	41	1	1/26/2004	1/26/2004	
Chloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
2-Chlorotoluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
4-Chlorotoluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Dibromochloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A26027	5.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Dibromomethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,4-Dichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Dichlorodifluoromethane	EPA 8260B	4A26027	5.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethane	EPA 8260B	4A26027	1.0	99	1	1/26/2004	1/26/2004	
1,2-Dichloroethane	EPA 8260B	4A26027	0.50	26	1	1/26/2004	1/26/2004	
1,1-Dichloroethene	EPA 8260B	4A26027	1.0	28	1	1/26/2004	1/26/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A26027	1.0	5.5	1	1/26/2004	1/26/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichloropropane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichloropropane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
2,2-Dichloropropane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloropropene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
Ethylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Hexachlorobutadiene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Isopropylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
p-Isopropyltoluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Methylene chloride	EPA 8260B	4A26027	5.0	12	1	1/26/2004	1/26/2004	

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-05 (PTI-MW37-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
n-Propylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Styrene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1-Trichloroethane								
1,1,2-Trichloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Vinyl chloride	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
o-Xylene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
m,p-Xylenes	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								
				105 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>								
				116 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								
				102 %				

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Reporting Batch	Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-06 (PTI-MW09-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
Bromobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromochloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromodichloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromoform	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Bromomethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
n-Butylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
sec-Butylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
tert-Butylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Carbon tetrachloride	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
Chlorobenzene	EPA 8260B	4A26027	1.0	1.6	1	1/26/2004	1/26/2004	
Chloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Chloroform	EPA 8260B	4A26027	1.0	38	1	1/26/2004	1/26/2004	
Chloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
2-Chlorotoluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
4-Chlorotoluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Dibromochloromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A26027	5.0	ND	1	1/26/2004	1/26/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Dibromomethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,4-Dichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Dichlorodifluoromethane	EPA 8260B	4A26027	5.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloroethane	EPA 8260B	4A26027	1.0	94	1	1/26/2004	1/26/2004	
1,2-Dichloroethane	EPA 8260B	4A26027	0.50	26	1	1/26/2004	1/26/2004	
1,1-Dichloroethene	EPA 8260B	4A26027	1.0	27	1	1/26/2004	1/26/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A26027	1.0	4.9	1	1/26/2004	1/26/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2-Dichloropropane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,3-Dichloropropane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
2,2-Dichloropropane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1-Dichloropropene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
Ethylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Hexachlorobutadiene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Isopropylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
p-Isopropyltoluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Methylene chloride	EPA 8260B	4A26027	5.0	14	1	1/26/2004	1/26/2004	

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-06 (PTI-MW09-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
n-Propylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Styrene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,1,1-Trichloroethane								
1,1,2-Trichloroethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
Vinyl chloride	EPA 8260B	4A26027	0.50	ND	1	1/26/2004	1/26/2004	
o-Xylene	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
m,p-Xylenes	EPA 8260B	4A26027	1.0	ND	1	1/26/2004	1/26/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								
				108 %				
<i>Surrogate: Toluene-d8 (80-120%)</i>								
				115 %				
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								
				102 %				

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-07 (PTI-MW11-060 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4A27007	1.0	ND	2	1/27/2004	1/27/2004	
Bromobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Bromoform	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Bromochloromethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Bromodichloromethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Bromomethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
n-Butylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
sec-Butylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
tert-Butylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Carbon tetrachloride	EPA 8260B	4A27007	1.0	ND	2	1/27/2004	1/27/2004	
Chlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Chloroethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Chloroform	EPA 8260B	4A27007	2.0	4.7	2	1/27/2004	1/27/2004	
Chloromethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
2-Chlorotoluene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
4-Chlorotoluene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Dibromochloromethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2-Dibromo-3-chloropropane	EPA 8260B	4A27007	10	ND	2	1/27/2004	1/27/2004	
1,2-Dibromoethane (EDB)	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Dibromomethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2-Dichlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,3-Dichlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,4-Dichlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Dichlorodifluoromethane	EPA 8260B	4A27007	10	ND	2	1/27/2004	1/27/2004	
1,1-Dichloroethane	EPA 8260B	4A27007	2.0	37	2	1/27/2004	1/27/2004	
1,2-Dichloroethane	EPA 8260B	4A27007	1.0	22	2	1/27/2004	1/27/2004	
1,1-Dichloroethene	EPA 8260B	4A27007	2.0	15	2	1/27/2004	1/27/2004	
cis-1,2-Dichloroethene	EPA 8260B	4A27007	2.0	24	2	1/27/2004	1/27/2004	
trans-1,2-Dichloroethene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2-Dichloropropane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,3-Dichloropropane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
2,2-Dichloropropane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,1-Dichloropropene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
cis-1,3-Dichloropropene	EPA 8260B	4A27007	1.0	ND	2	1/27/2004	1/27/2004	
trans-1,3-Dichloropropene	EPA 8260B	4A27007	1.0	ND	2	1/27/2004	1/27/2004	
Ethylbenzene	EPA 8260B	4A27007	2.0	24	2	1/27/2004	1/27/2004	
Hexachlorobutadiene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Isopropylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
p-Isopropyltoluene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Methylene chloride	EPA 8260B	4A27007	10	ND	2	1/27/2004	1/27/2004	

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-07 (PTI-MW11-060 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
n-Propylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Styrene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,1,1,2-Tetrachloroethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,1,2,2-Tetrachloroethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Tetrachloroethene								
Toluene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2,3-Trichlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2,4-Trichlorobenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,1,1-Trichloroethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,1,2-Trichloroethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Trichloroethene								
Trichlorofluoromethane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2,3-Trichloroproppane	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,2,4-Trimethylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
1,3,5-Trimethylbenzene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
Vinyl chloride	EPA 8260B	4A27007	1.0	ND	2	1/27/2004	1/27/2004	
o-Xylene	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
m,p-Xylenes	EPA 8260B	4A27007	2.0	ND	2	1/27/2004	1/27/2004	
<i>Surrogate: Dibromofluoromethane (80-120%)</i>								
<i>Surrogate: Toluene-d8 (80-120%)</i>								
<i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>								
				100 %				
				102 %				
				100 %				

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-02 (PTI-MW35-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A24036	0.010	0.27	2	1/24/2004	1/25/2004	
Chromium	EPA 6010B-Diss	4A24036	0.010	16	2	1/24/2004	1/25/2004	
Copper	EPA 6010B-Diss	4A24036	0.020	ND	2	1/24/2004	1/25/2004	RL-1
Sample ID: INA1203-03 (PTI-MW04-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A24036	0.010	0.32	2	1/24/2004	1/25/2004	
Chromium	EPA 6010B-Diss	4A24036	0.025	22	5	1/24/2004	1/25/2004	
Copper	EPA 6010B-Diss	4A24036	0.020	ND	2	1/24/2004	1/25/2004	RL-1
Sample ID: INA1203-04 (PTI-MW16-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A24036	0.0050	ND	1	1/24/2004	1/25/2004	
Chromium	EPA 6010B-Diss	4A24036	0.0050	ND	1	1/24/2004	1/25/2004	
Copper	EPA 6010B-Diss	4A24036	0.010	ND	1	1/24/2004	1/25/2004	
Sample ID: INA1203-05 (PTI-MW37-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A24036	0.0050	ND	1	1/24/2004	1/25/2004	
Chromium	EPA 6010B-Diss	4A24036	0.0050	2.4	1	1/24/2004	1/25/2004	
Copper	EPA 6010B-Diss	4A24036	0.010	ND	1	1/24/2004	1/25/2004	
Sample ID: INA1203-06 (PTI-MW09-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A24036	0.0050	ND	1	1/24/2004	1/25/2004	
Chromium	EPA 6010B-Diss	4A24036	0.0050	2.4	1	1/24/2004	1/25/2004	
Copper	EPA 6010B-Diss	4A24036	0.010	ND	1	1/24/2004	1/25/2004	
Sample ID: INA1203-07 (PTI-MW11-060 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	4A24036	0.0050	ND	1	1/24/2004	1/25/2004	
Chromium	EPA 6010B-Diss	4A24036	0.0050	ND	1	1/24/2004	1/25/2004	
Copper	EPA 6010B-Diss	4A24036	0.010	ND	1	1/24/2004	1/25/2004	

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-02 (PTI-MW35-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A23075	0.50	29	500	1/23/2004	1/23/2004	
Sample ID: INA1203-02 (PTI-MW35-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A23062	NA	6.78	1	1/23/2004	1/23/2004	
Sample ID: INA1203-03 (PTI-MW04-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A23075	1.0	28	1000	1/23/2004	1/23/2004	
Sample ID: INA1203-03 (PTI-MW04-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A23062	NA	6.71	1	1/23/2004	1/23/2004	
Sample ID: INA1203-04 (PTI-MW16-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A23075	0.0010	0.0026	1	1/23/2004	1/23/2004	
Sample ID: INA1203-04 (PTI-MW16-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A23062	NA	6.98	1	1/23/2004	1/23/2004	
Sample ID: INA1203-05 (PTI-MW37-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A23075	0.50	2.7	500	1/23/2004	1/23/2004	
Sample ID: INA1203-05 (PTI-MW37-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A23062	NA	6.85	1	1/23/2004	1/23/2004	
Sample ID: INA1203-06 (PTI-MW09-060 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	4A23075	0.50	2.8	500	1/23/2004	1/23/2004	
Sample ID: INA1203-06 (PTI-MW09-060 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	4A23062	NA	6.84	1	1/23/2004	1/23/2004	

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04

Received: 01/23/04

INORGANICS

Analyte	Method	Reporting Batch	Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INA1203-07 (PTI-MW11-060 - Water)								
Chromium VI	EPA 7199	4A23075	0.0010	ND	1	1/23/2004	1/23/2004	
Sample ID: INA1203-07 (PTI-MW11-060 - Water)								
pH	EPA 150.1	4A23062	NA	7.21	1	1/23/2004	1/23/2004	

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Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PTI-MW35-060 (INA1203-02) - Water					
EPA 150.1	1	01/23/2004 07:15	01/23/2004 11:25	01/23/2004 14:08	01/23/2004 15:30
EPA 7199	1	01/23/2004 07:15	01/23/2004 11:25	01/23/2004 19:00	01/23/2004 19:16
Sample ID: PTI-MW04-060 (INA1203-03) - Water					
EPA 150.1	1	01/23/2004 07:45	01/23/2004 11:25	01/23/2004 14:08	01/23/2004 15:30
EPA 7199	1	01/23/2004 07:45	01/23/2004 11:25	01/23/2004 19:00	01/23/2004 19:25
Sample ID: PTI-MW16-060 (INA1203-04) - Water					
EPA 150.1	1	01/23/2004 08:30	01/23/2004 11:25	01/23/2004 14:08	01/23/2004 15:30
EPA 7199	1	01/23/2004 08:30	01/23/2004 11:25	01/23/2004 19:00	01/23/2004 19:35
Sample ID: PTI-MW37-060 (INA1203-05) - Water					
EPA 150.1	1	01/23/2004 09:00	01/23/2004 11:25	01/23/2004 14:08	01/23/2004 15:30
EPA 7199	1	01/23/2004 09:00	01/23/2004 11:25	01/23/2004 19:00	01/23/2004 19:45
Sample ID: PTI-MW09-060 (INA1203-06) - Water					
EPA 150.1	1	01/23/2004 09:20	01/23/2004 11:25	01/23/2004 14:08	01/23/2004 15:30
EPA 7199	1	01/23/2004 09:20	01/23/2004 11:25	01/23/2004 19:00	01/23/2004 19:54
Sample ID: PTI-MW11-060 (INA1203-07) - Water					
EPA 150.1	1	01/23/2004 10:10	01/23/2004 11:25	01/23/2004 14:08	01/23/2004 15:30
EPA 7199	1	01/23/2004 10:10	01/23/2004 11:25	01/23/2004 19:00	01/23/2004 20:23

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04

Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit Qualifiers
Batch: 4A26027 Extracted: 01/26/04									
Blank Analyzed: 01/26/04 (4A26027-BLK1)									
Benzene	ND	0.50	ug/l						
Bromobenzene	ND	1.0	ug/l						
Bromochloromethane	ND	1.0	ug/l						
Bromodichloromethane	ND	1.0	ug/l						
Bromoform	ND	1.0	ug/l						
Bromomethane	ND	1.0	ug/l						
n-Butylbenzene	ND	1.0	ug/l						
sec-Butylbenzene	ND	1.0	ug/l						
tert-Butylbenzene	ND	1.0	ug/l						
Carbon tetrachloride	ND	0.50	ug/l						
Chlorobenzene	ND	1.0	ug/l						
Chloroethane	ND	1.0	ug/l						
Chloroform	ND	1.0	ug/l						
Chloromethane	ND	1.0	ug/l						
2-Chlorotoluene	ND	1.0	ug/l						
4-Chlorotoluene	ND	1.0	ug/l						
Dibromochloromethane	ND	1.0	ug/l						
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l						
1,2-Dibromoethane (EDB)	ND	1.0	ug/l						
Dibromomethane	ND	1.0	ug/l						
1,2-Dichlorobenzene	ND	1.0	ug/l						
1,3-Dichlorobenzene	ND	1.0	ug/l						
1,4-Dichlorobenzene	ND	1.0	ug/l						
Dichlorodifluoromethane	ND	5.0	ug/l						
1,1-Dichloroethane	ND	1.0	ug/l						
1,2-Dichloroethane	ND	0.50	ug/l						
1,1-Dichloroethene	ND	1.0	ug/l						
cis-1,2-Dichloroethene	ND	1.0	ug/l						
trans-1,2-Dichloroethene	ND	1.0	ug/l						
1,2-Dichloropropane	ND	1.0	ug/l						
1,3-Dichloropropane	ND	1.0	ug/l						
2,2-Dichloropropane	ND	1.0	ug/l						
1,1-Dichloropropene	ND	1.0	ug/l						
cis-1,3-Dichloropropene	ND	0.50	ug/l						
trans-1,3-Dichloropropene	ND	0.50	ug/l						

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A26027 Extracted: 01/26/04</u>									
Blank Analyzed: 01/26/04 (4A26027-BLK1)									
Ethylbenzene	ND	1.0	ug/l						
Hexachlorobutadiene	ND	1.0	ug/l						
Isopropylbenzene	ND	1.0	ug/l						
p-Isopropyltoluene	ND	1.0	ug/l						
Methylene chloride	ND	5.0	ug/l						
Naphthalene	1.75	1.0	ug/l						B
n-Propylbenzene	ND	1.0	ug/l						
Styrene	ND	1.0	ug/l						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l						
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l						
Tetrachloroethene	ND	1.0	ug/l						
Toluene	ND	1.0	ug/l						
1,2,3-Trichlorobenzene	ND	1.0	ug/l						
1,2,4-Trichlorobenzene	ND	1.0	ug/l						
1,1,1-Trichloroethane	ND	1.0	ug/l						
1,1,2-Trichloroethane	ND	1.0	ug/l						
Trichloroethene	ND	1.0	ug/l						
Trichlorofluoromethane	ND	1.0	ug/l						
1,2,3-Trichloropropane	ND	1.0	ug/l						
1,2,4-Trimethylbenzene	ND	1.0	ug/l						
1,3,5-Trimethylbenzene	ND	1.0	ug/l						
Vinyl chloride	ND	0.50	ug/l						
o-Xylene	ND	1.0	ug/l						
m,p-Xylenes	ND	1.0	ug/l						
Surrogate: Dibromofluoromethane	24.6		ug/l	25.0		98	80-120		
Surrogate: Toluene-d8	28.4		ug/l	25.0		114	80-120		
Surrogate: 4-Bromofluorobenzene	24.9		ug/l	25.0		100	80-120		

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Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04

Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Qualifiers
Batch: 4A26027 Extracted: 01/26/04									
LCS Analyzed: 01/26/04 (4A26027-BS1)									
Benzene	23.0	0.50	ug/l	25.0	92	70-120			M-3
Bromobenzene	24.0	1.0	ug/l	25.0	96	80-120			
Bromoform	17.8	1.0	ug/l	25.0	71	50-135			
Bromomethane	23.7	1.0	ug/l	25.0	95	60-140			
n-Butylbenzene	24.5	1.0	ug/l	25.0	98	75-130			
sec-Butylbenzene	24.8	1.0	ug/l	25.0	99	75-125			
tert-Butylbenzene	24.3	1.0	ug/l	25.0	97	75-125			
Carbon tetrachloride	23.2	0.50	ug/l	25.0	93	70-140			
Chlorobenzene	24.0	1.0	ug/l	25.0	96	80-125			
Chloroethane	23.6	1.0	ug/l	25.0	94	60-145			
Chloroform	23.5	1.0	ug/l	25.0	94	70-130			
Chloromethane	20.1	1.0	ug/l	25.0	80	40-145			
2-Chlorotoluene	24.0	1.0	ug/l	25.0	96	75-125			
4-Chlorotoluene	24.2	1.0	ug/l	25.0	97	75-125			
Dibromochloromethane	22.0	1.0	ug/l	25.0	88	65-145			
1,2-Dibromo-3-chloropropane	14.1	5.0	ug/l	25.0	56	50-130			
1,2-Dibromoethane (EDB)	21.0	1.0	ug/l	25.0	84	70-125			
Dibromomethane	21.2	1.0	ug/l	25.0	85	70-130			
1,2-Dichlorobenzene	22.8	1.0	ug/l	25.0	91	75-120			
1,3-Dichlorobenzene	23.6	1.0	ug/l	25.0	94	75-120			
1,4-Dichlorobenzene	23.6	1.0	ug/l	25.0	94	80-120			
Dichlorodifluoromethane	15.6	5.0	ug/l	25.0	62	10-160			
1,1-Dichloroethane	23.9	1.0	ug/l	25.0	96	70-135			
1,2-Dichloroethane	20.8	0.50	ug/l	25.0	83	60-150			
1,1-Dichloroethene	24.3	1.0	ug/l	25.0	97	75-140			
cis-1,2-Dichloroethene	23.7	1.0	ug/l	25.0	95	65-125			
trans-1,2-Dichloroethene	24.5	1.0	ug/l	25.0	98	65-130			
1,2-Dichloropropane	24.0	1.0	ug/l	25.0	96	65-120			
1,3-Dichloropropane	21.8	1.0	ug/l	25.0	87	70-130			
2,2-Dichloropropane	24.9	1.0	ug/l	25.0	100	70-150			
1,1-Dichloropropene	24.0	1.0	ug/l	25.0	96	75-130			
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	92	70-130			
trans-1,3-Dichloropropene	21.3	0.50	ug/l	25.0	85	75-135			

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Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A26027 Extracted: 01/26/04										
LCS Analyzed: 01/26/04 (4A26027-BS1)										
Ethylbenzene	24.2	1.0	ug/l	25.0		97	80-120			
Hexachlorobutadiene	23.1	1.0	ug/l	25.0		92	65-140			
Isopropylbenzene	24.8	1.0	ug/l	25.0		99	70-125			
p-Isopropyltoluene	23.9	1.0	ug/l	25.0		96	75-125			
Methylene chloride	22.0	5.0	ug/l	25.0		88	60-135			
Naphthalene	19.5	1.0	ug/l	25.0		78	50-145			
n-Propylbenzene	25.5	1.0	ug/l	25.0		102	75-130			
Styrene	24.8	1.0	ug/l	25.0		99	80-135			
1,1,1,2-Tetrachloroethane	22.5	1.0	ug/l	25.0		90	70-145			
1,1,2,2-Tetrachloroethane	20.7	1.0	ug/l	25.0		83	60-135			
Tetrachloroethene	24.0	1.0	ug/l	25.0		96	75-125			
Toluene	23.5	1.0	ug/l	25.0		94	70-120			
1,2,3-Trichlorobenzene	19.8	1.0	ug/l	25.0		79	65-135			
1,2,4-Trichlorobenzene	22.6	1.0	ug/l	25.0		90	70-140			
1,1,1-Trichloroethane	22.7	1.0	ug/l	25.0		91	75-140			
1,1,2-Trichloroethane	21.2	1.0	ug/l	25.0		85	65-125			
Trichloroethene	23.9	1.0	ug/l	25.0		96	75-120			
Trichlorofluoromethane	21.6	1.0	ug/l	25.0		86	60-145			
1,2,3-Trichloropropane	19.8	1.0	ug/l	25.0		79	60-130			
1,2,4-Trimethylbenzene	24.4	1.0	ug/l	25.0		98	75-125			
1,3,5-Trimethylbenzene	24.8	1.0	ug/l	25.0		99	75-125			
Vinyl chloride	22.0	0.50	ug/l	25.0		88	50-125			
o-Xylene	23.1	1.0	ug/l	25.0		92	75-125			
m,p-Xylenes	48.2	1.0	ug/l	50.0		96	70-120			
Surrogate: Dibromofluoromethane	24.9		ug/l	25.0		100	80-120			
Surrogate: Toluene-d8	28.8		ug/l	25.0		115	80-120			
Surrogate: 4-Bromofluorobenzene	25.0		ug/l	25.0		100	80-120			

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Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit Qualifiers
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-----------------------

Batch: 4A26027 Extracted: 01/26/04

Matrix Spike Analyzed: 01/26/04 (4A26027-MS1)

Source: INA1140-01

Bromobenzene	22.9	1.0	ug/l	25.0	ND	92	60-135		
Bromoform	23.8	1.0	ug/l	25.0	ND	95	60-140		
Bromodichloromethane	23.3	1.0	ug/l	25.0	ND	93	70-140		
Bromomethane	21.6	1.0	ug/l	25.0	ND	86	50-135		
n-Butylbenzene	21.6	1.0	ug/l	25.0	ND	86	50-140		
sec-Butylbenzene	22.3	1.0	ug/l	25.0	ND	89	70-135		
tert-Butylbenzene	22.0	1.0	ug/l	25.0	0.62	86	70-130		
Carbon tetrachloride	21.4	1.0	ug/l	25.0	ND	86	70-130		
Chlorobenzene	21.1	0.50	ug/l	25.0	ND	84	70-140		
Chloroethane	22.6	1.0	ug/l	25.0	ND	90	80-125		
Chloroform	21.6	1.0	ug/l	25.0	ND	86	50-145		
Chloromethane	22.6	1.0	ug/l	25.0	ND	90	70-130		
2-Chlorotoluene	19.0	1.0	ug/l	25.0	ND	76	30-145		
4-Chlorotoluene	21.6	1.0	ug/l	25.0	ND	86	65-145		
Dibromochloromethane	22.0	1.0	ug/l	25.0	ND	88	70-145		
1,2-Dibromo-3-chloropropane	24.6	1.0	ug/l	25.0	ND	98	65-145		
1,2-Dibromoethane (EDB)	20.3	5.0	ug/l	25.0	ND	81	50-150		
Dibromomethane	24.9	1.0	ug/l	25.0	ND	100	70-125		
1,2-Dichlorobenzene	24.3	1.0	ug/l	25.0	ND	97	65-135		
1,3-Dichlorobenzene	22.1	1.0	ug/l	25.0	ND	88	70-130		
1,4-Dichlorobenzene	21.6	1.0	ug/l	25.0	ND	86	70-130		
Dichlorodifluoromethane	22.0	1.0	ug/l	25.0	ND	88	75-120		
1,1-Dichloroethane	16.3	5.0	ug/l	25.0	ND	65	10-160		
1,1-Dichloroethane	22.7	1.0	ug/l	25.0	ND	91	65-135		
1,2-Dichloroethane	22.4	0.50	ug/l	25.0	ND	90	60-150		
1,1-Dichloroethene	22.0	1.0	ug/l	25.0	ND	88	65-145		
cis-1,2-Dichloroethene	22.5	1.0	ug/l	25.0	ND	90	60-130		
trans-1,2-Dichloroethene	22.8	1.0	ug/l	25.0	ND	91	60-135		
1,2-Dichloropropane	22.6	1.0	ug/l	25.0	ND	94	60-130		
1,3-Dichloropropane	23.6	1.0	ug/l	25.0	ND	98	65-140		
2,2-Dichloropropane	24.4	1.0	ug/l	25.0	ND	92	60-150		
1,1-Dichloropropene	22.9	1.0	ug/l	25.0	ND	88	60-145		
cis-1,3-Dichloropropene	22.1	1.0	ug/l	25.0	ND	93	70-140		
trans-1,3-Dichloropropene	23.2	0.50	ug/l	25.0	ND	92	70-140		
Ethylbenzene	22.2	1.0	ug/l	25.0	ND	89	70-125		

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A26027 Extracted: 01/26/04</u>										
Matrix Spike Analyzed: 01/26/04 (4A26027-MS1)										
Source: INA1140-01										
Hexachlorobutadiene	19.9	1.0	ug/l	25.0	ND	80	65-140			
Isopropylbenzene	24.6	1.0	ug/l	25.0	3.1	86	65-130			
p-Isopropyltoluene	20.9	1.0	ug/l	25.0	ND	84	70-130			
Methylene chloride	21.8	5.0	ug/l	25.0	ND	87	60-135			
Naphthalene	24.1	1.0	ug/l	25.0	ND	96	50-145			
n-Propylbenzene	22.7	1.0	ug/l	25.0	ND	91	70-135			
Styrene	22.0	1.0	ug/l	25.0	ND	88	60-145			
1,1,1,2-Tetrachloroethane	21.9	1.0	ug/l	25.0	ND	88	65-145			
1,1,2,2-Tetrachloroethane	26.6	1.0	ug/l	25.0	ND	106	60-140			
Tetrachloroethene	24.4	1.0	ug/l	25.0	2.2	89	70-130			
Toluene	22.1	1.0	ug/l	25.0	ND	88	65-120			
1,2,3-Trichlorobenzene	20.7	1.0	ug/l	25.0	ND	83	60-135			
1,2,4-Trichlorobenzene	22.4	1.0	ug/l	25.0	ND	90	55-140			
1,1,1-Trichloroethane	21.6	1.0	ug/l	25.0	0.38	85	75-140			
1,1,2-Trichloroethane	24.5	1.0	ug/l	25.0	ND	98	60-135			
Trichloroethene	22.1	1.0	ug/l	25.0	ND	88	70-125			
Trichlorofluoromethane	20.4	1.0	ug/l	25.0	ND	82	50-150			
1,2,3-Trichloropropane	25.1	1.0	ug/l	25.0	ND	100	60-140			
1,2,4-Trimethylbenzene	21.2	1.0	ug/l	25.0	ND	85	60-125			
1,3,5-Trimethylbenzene	21.5	1.0	ug/l	25.0	ND	86	70-130			
Vinyl chloride	19.9	0.50	ug/l	25.0	ND	80	40-130			
o-Xylene	21.4	1.0	ug/l	25.0	ND	86	65-125			
m,p-Xylenes	43.8	1.0	ug/l	50.0	ND	88	60-125			
Surrogate: Dibromoform	26.0		ug/l	25.0		104	80-120			
Surrogate: Toluene-d8	28.5		ug/l	25.0		114	80-120			
Surrogate: 4-Bromoform	25.7		ug/l	25.0		103	80-120			
Matrix Spike Dup Analyzed: 01/26/04 (4A26027-MSD1)										
Source: INA1140-01										
Bromobenzene	25.2	1.0	ug/l	25.0	ND	101	60-135	10	25	
Bromochloromethane	28.5	1.0	ug/l	25.0	ND	114	60-140	18	25	
Bromodichloromethane	26.4	1.0	ug/l	25.0	ND	106	70-140	12	20	
Bromoform	24.5	1.0	ug/l	25.0	ND	98	50-135	13	25	
Bromomethane	25.1	1.0	ug/l	25.0	ND	100	50-140	15	25	
n-Butylbenzene	23.8	1.0	ug/l	25.0	ND	95	70-135	7	20	
sec-Butylbenzene	23.3	1.0	ug/l	25.0	0.62	91	70-130	6	20	

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Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A26027 Extracted: 01/26/04</u>										
Matrix Spike Dup Analyzed: 01/26/04 (4A26027-MSD1)					Source: INA1140-01					
tert-Butylbenzene	22.7	1.0	ug/l	25.0	ND	91	70-130	6	20	
Carbon tetrachloride	22.2	0.50	ug/l	25.0	ND	89	70-140	5	25	
Chlorobenzene	24.8	1.0	ug/l	25.0	ND	99	80-125	9	20	
Chloroethane	24.5	1.0	ug/l	25.0	ND	98	50-145	13	25	
Chloroform	25.5	1.0	ug/l	25.0	ND	102	70-130	12	20	
Chloromethane	21.6	1.0	ug/l	25.0	ND	86	30-145	13	30	
2-Chlorotoluene	23.2	1.0	ug/l	25.0	ND	93	65-145	7	25	
4-Chlorotoluene	23.8	1.0	ug/l	25.0	ND	95	70-145	8	20	
Dibromochloromethane	27.6	1.0	ug/l	25.0	ND	110	65-145	11	20	
1,2-Dibromo-3-chloropropane	24.5	5.0	ug/l	25.0	ND	98	50-150	19	25	
1,2-Dibromoethane (EDB)	28.0	1.0	ug/l	25.0	ND	112	70-125	12	20	
Dibromomethane	27.7	1.0	ug/l	25.0	ND	111	65-135	13	20	
1,2-Dichlorobenzene	24.6	1.0	ug/l	25.0	ND	98	70-130	11	20	
1,3-Dichlorobenzene	23.7	1.0	ug/l	25.0	ND	95	70-130	9	20	
1,4-Dichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	75-120	10	20	
Dichlorodifluoromethane	17.8	5.0	ug/l	25.0	ND	71	10-160	9	30	
1,1-Dichloroethane	25.9	1.0	ug/l	25.0	ND	104	65-135	13	20	
1,2-Dichloroethane	26.0	0.50	ug/l	25.0	ND	104	60-150	15	25	
1,1-Dichloroethene	25.2	1.0	ug/l	25.0	ND	101	65-145	14	25	
cis-1,2-Dichloroethene	25.7	1.0	ug/l	25.0	ND	103	60-130	13	20	
trans-1,2-Dichloroethene	25.4	1.0	ug/l	25.0	ND	102	60-135	11	20	
1,2-Dichloropropane	26.4	1.0	ug/l	25.0	ND	106	60-130	11	20	
1,3-Dichloropropane	27.3	1.0	ug/l	25.0	ND	109	65-140	11	25	
2,2-Dichloropropane	24.5	1.0	ug/l	25.0	ND	98	60-150	7	20	
1,1-Dichloropropene	23.6	1.0	ug/l	25.0	ND	94	60-145	7	20	
cis-1,3-Dichloropropene	26.4	0.50	ug/l	25.0	ND	106	70-140	13	20	
trans-1,3-Dichloropropene	27.0	0.50	ug/l	25.0	ND	108	70-140	16	20	
Ethylbenzene	23.9	1.0	ug/l	25.0	ND	96	70-125	7	20	
Hexachlorobutadiene	20.6	1.0	ug/l	25.0	ND	82	65-140	3	25	
Isopropylbenzene	26.2	1.0	ug/l	25.0	3.1	92	65-130	6	25	
p-Isopropyltoluene	22.1	1.0	ug/l	25.0	ND	88	70-130	6	20	
Methylene chloride	25.4	5.0	ug/l	25.0	ND	102	60-135	15	20	
Naphthalene	28.7	1.0	ug/l	25.0	ND	115	50-145	17	25	
n-Propylbenzene	23.8	1.0	ug/l	25.0	ND	95	70-135	5	20	
Styrene	23.2	1.0	ug/l	25.0	ND	93	60-145	5	25	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 4A26027 Extracted: 01/26/04

Matrix Spike Dup Analyzed: 01/26/04 (4A26027-MSD1)

Source: INA1140-01

1,1,1,2-Tetrachloroethane	24.2	1.0	ug/l	25.0	ND	97	65-145	10	20
1,1,2,2-Tetrachloroethane	30.7	1.0	ug/l	25.0	ND	123	60-140	14	25
Tetrachloroethene	25.8	1.0	ug/l	25.0	2.2	94	70-130	6	20
Toluene	24.3	1.0	ug/l	25.0	ND	97	65-120	9	20
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	60-135	14	20
1,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	55-140	12	25
1,1,1-Trichloroethane	23.9	1.0	ug/l	25.0	0.38	94	75-140	10	20
1,1,2-Trichloroethane	28.3	1.0	ug/l	25.0	ND	113	60-135	14	20
Trichloroethene	24.1	1.0	ug/l	25.0	ND	96	70-125	9	20
Trichlorofluoromethane	21.7	1.0	ug/l	25.0	ND	87	50-150	6	25
1,2,3-Trichloropropane	29.0	1.0	ug/l	25.0	ND	116	60-140	14	25
1,2,4-Trimethylbenzene	22.2	1.0	ug/l	25.0	ND	89	60-125	5	20
1,3,5-Trimethylbenzene	22.9	1.0	ug/l	25.0	ND	92	70-130	6	20
Vinyl chloride	21.8	0.50	ug/l	25.0	ND	87	40-130	9	25
o-Xylene	23.2	1.0	ug/l	25.0	ND	93	65-125	8	20
m,p-Xylenes	46.9	1.0	ug/l	50.0	ND	94	60-125	7	25
Surrogate: Dibromofluoromethane	27.2		ug/l	25.0		109	80-120		
Surrogate: Toluene-d8	28.6		ug/l	25.0		114	80-120		
Surrogate: 4-Bromofluorobenzene	25.9		ug/l	25.0		104	80-120		

Batch: 4A27007 Extracted: 01/27/04

Blank Analyzed: 01/27/04 (4A27007-BLK1)

Benzene	ND	0.50	ug/l
Bromobenzene	ND	1.0	ug/l
Bromochloromethane	ND	1.0	ug/l
Bromodichloromethane	ND	1.0	ug/l
Bromoform	ND	1.0	ug/l
Bromomethane	ND	1.0	ug/l
n-Butylbenzene	ND	1.0	ug/l
sec-Butylbenzene	ND	1.0	ug/l
tert-Butylbenzene	ND	1.0	ug/l
Carbon tetrachloride	ND	0.50	ug/l
Chlorobenzene	ND	1.0	ug/l
Chloroethane	ND	1.0	ug/l

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Attention: Sharon Wallin

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Report Number: INA1203

Sampled: 01/23/04

Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Qualifiers
Batch: 4A27007 Extracted: 01/27/04									
Blank Analyzed: 01/27/04 (4A27007-BLK1)									
Chloroform	ND	1.0	ug/l						
Chloromethane	ND	1.0	ug/l						
2-Chlorotoluene	ND	1.0	ug/l						
4-Chlorotoluene	ND	1.0	ug/l						
Dibromochloromethane	ND	1.0	ug/l						
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l						
1,2-Dibromoethane (EDB)	ND	1.0	ug/l						
Dibromomethane	ND	1.0	ug/l						
1,2-Dichlorobenzene	ND	1.0	ug/l						
1,3-Dichlorobenzene	ND	1.0	ug/l						
1,4-Dichlorobenzene	ND	1.0	ug/l						
Dichlorodifluoromethane	ND	5.0	ug/l						
1,1-Dichloroethane	ND	1.0	ug/l						
1,2-Dichloroethane	ND	0.50	ug/l						
1,1-Dichloroethene	ND	1.0	ug/l						
cis-1,2-Dichloroethene	ND	1.0	ug/l						
trans-1,2-Dichloroethene	ND	1.0	ug/l						
1,2-Dichloropropane	ND	1.0	ug/l						
1,3-Dichloropropane	ND	1.0	ug/l						
2,2-Dichloropropane	ND	1.0	ug/l						
1,1-Dichloropropene	ND	1.0	ug/l						
cis-1,3-Dichloropropene	ND	0.50	ug/l						
trans-1,3-Dichloropropene	ND	0.50	ug/l						
Ethylbenzene	ND	1.0	ug/l						
Hexachlorobutadiene	ND	1.0	ug/l						
Isopropylbenzene	ND	1.0	ug/l						
p-Isopropyltoluene	ND	1.0	ug/l						
Methylene chloride	ND	5.0	ug/l						
Naphthalene	ND	1.0	ug/l						
n-Propylbenzene	ND	1.0	ug/l						
Styrene	ND	1.0	ug/l						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l						
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l						
Tetrachloroethene	ND	1.0	ug/l						
Toluene	ND	1.0	ug/l						

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A27007 Extracted: 01/27/04										
Blank Analyzed: 01/27/04 (4A27007-BLK1)										
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	24.8		ug/l	25.0		99	80-120			
Surrogate: Toluene-d8	25.5		ug/l	25.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	25.1		ug/l	25.0		100	80-120			
LCS Analyzed: 01/27/04 (4A27007-BS1)										
Benzene	25.9	0.50	ug/l	25.0		104	70-120			
Bromobenzene	24.7	1.0	ug/l	25.0		99	80-120			
Bromochloromethane	24.4	1.0	ug/l	25.0		98	65-135			
Bromodichloromethane	21.9	1.0	ug/l	25.0		88	70-140			
Bromoform	20.1	1.0	ug/l	25.0		80	50-135			
Bromomethane	22.4	1.0	ug/l	25.0		90	60-140			
n-Butylbenzene	25.0	1.0	ug/l	25.0		100	75-130			
sec-Butylbenzene	25.6	1.0	ug/l	25.0		102	75-125			
tert-Butylbenzene	24.7	1.0	ug/l	25.0		99	75-125			
Carbon tetrachloride	21.8	0.50	ug/l	25.0		87	70-140			
Chlorobenzene	25.4	1.0	ug/l	25.0		102	80-125			
Chloroethane	22.2	1.0	ug/l	25.0		89	60-145			
Chloroform	25.2	1.0	ug/l	25.0		101	70-130			
Chloromethane	19.7	1.0	ug/l	25.0		79	40-145			
2-Chlorotoluene	24.8	1.0	ug/l	25.0		99	75-125			
4-Chlorotoluene	25.0	1.0	ug/l	25.0		100	75-125			
Dibromochloromethane	21.4	1.0	ug/l	25.0		86	65-145			
1,2-Dibromo-3-chloropropane	15.6	5.0	ug/l	25.0		62	50-130			

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Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD Limit	Data Qualifiers
<u>Batch: 4A27007 Extracted: 01/27/04</u>								
LCS Analyzed: 01/27/04 (4A27007-BS1)								
1,2-Dibromoethane (EDB)	21.9	1.0	ug/l	25.0	88	70-125		
Dibromomethane	22.2	1.0	ug/l	25.0	89	70-130		
1,2-Dichlorobenzene	24.1	1.0	ug/l	25.0	96	75-120		
1,3-Dichlorobenzene	25.0	1.0	ug/l	25.0	100	75-120		
1,4-Dichlorobenzene	24.9	1.0	ug/l	25.0	100	80-120		
Dichlorodifluoromethane	13.4	5.0	ug/l	25.0	54	10-160		
1,1-Dichloroethane	26.3	1.0	ug/l	25.0	105	70-135		
1,2-Dichloroethane	20.5	0.50	ug/l	25.0	82	60-150		
1,1-Dichloroethene	26.3	1.0	ug/l	25.0	105	75-140		
cis-1,2-Dichloroethene	26.6	1.0	ug/l	25.0	106	65-125		
trans-1,2-Dichloroethene	26.6	1.0	ug/l	25.0	106	65-130		
1,2-Dichloropropane	26.4	1.0	ug/l	25.0	106	65-120		
1,3-Dichloropropane	23.4	1.0	ug/l	25.0	94	70-130		
2,2-Dichloropropane	23.1	1.0	ug/l	25.0	92	70-150		
1,1-Dichloropropene	24.7	1.0	ug/l	25.0	99	75-130		
cis-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	98	70-130		
trans-1,3-Dichloropropene	21.4	0.50	ug/l	25.0	86	75-135		
Ethylbenzene	24.7	1.0	ug/l	25.0	99	80-120		
Hexachlorobutadiene	23.2	1.0	ug/l	25.0	93	65-140		
Isopropylbenzene	24.9	1.0	ug/l	25.0	100	70-125		
p-Isopropyltoluene	24.4	1.0	ug/l	25.0	98	75-125		
Methylene chloride	26.6	5.0	ug/l	25.0	106	60-135		
Naphthalene	20.0	1.0	ug/l	25.0	80	50-145		
n-Propylbenzene	26.5	1.0	ug/l	25.0	106	75-130		
Styrene	25.4	1.0	ug/l	25.0	102	80-135		
1,1,1,2-Tetrachloroethane	23.9	1.0	ug/l	25.0	96	70-145		
1,1,2,2-Tetrachloroethane	23.8	1.0	ug/l	25.0	95	60-135		
Tetrachloroethene	25.2	1.0	ug/l	25.0	101	75-125		
Toluene	25.1	1.0	ug/l	25.0	100	70-120		
1,2,3-Trichlorobenzene	23.0	1.0	ug/l	25.0	92	65-135		
1,2,4-Trichlorobenzene	24.5	1.0	ug/l	25.0	98	70-140		
1,1,1-Trichloroethane	22.8	1.0	ug/l	25.0	91	75-140		
1,1,2-Trichloroethane	23.6	1.0	ug/l	25.0	94	65-125		
Trichloroethene	25.8	1.0	ug/l	25.0	103	75-120		
Trichlorofluoromethane	20.9	1.0	ug/l	25.0	84	60-145		

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Data Qualifiers
Batch: 4A27007 Extracted: 01/27/04									
LCS Analyzed: 01/27/04 (4A27007-BS1)									
1,2,3-Trichloropropane	19.0	1.0	ug/l	25.0	76	60-130			
1,2,4-Trimethylbenzene	24.3	1.0	ug/l	25.0	97	75-125			
1,3,5-Trimethylbenzene	24.7	1.0	ug/l	25.0	99	75-125			
Vinyl chloride	19.8	0.50	ug/l	25.0	79	50-125			
o-Xylene	24.6	1.0	ug/l	25.0	98	75-125			
m,p-Xylenes	49.1	1.0	ug/l	50.0	98	70-120			
Surrogate: Dibromoform	24.8		ug/l	25.0	99	80-120			
Surrogate: Toluene-d8	25.7		ug/l	25.0	103	80-120			
Surrogate: 4-Bromofluorobenzene	24.6		ug/l	25.0	98	80-120			
Matrix Spike Analyzed: 01/27/04 (4A27007-MS1)									
Source: INA1211-08									
Benzene	23.2	0.50	ug/l	25.0	ND	93	70-120		
Bromobenzene	22.2	1.0	ug/l	25.0	ND	89	60-135		
Bromochloromethane	23.4	1.0	ug/l	25.0	ND	94	60-140		
Bromodichloromethane	19.3	1.0	ug/l	25.0	ND	77	70-140		
Bromoform	18.6	1.0	ug/l	25.0	ND	74	50-135		
Bromomethane	21.6	1.0	ug/l	25.0	ND	86	50-140		
n-Butylbenzene	21.1	1.0	ug/l	25.0	ND	84	70-135		
sec-Butylbenzene	21.8	1.0	ug/l	25.0	ND	87	70-130		
tert-Butylbenzene	20.7	1.0	ug/l	25.0	ND	83	70-130		
Carbon tetrachloride	17.9	0.50	ug/l	25.0	ND	72	70-140		
Chlorobenzene	22.5	1.0	ug/l	25.0	ND	90	80-125		
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	50-145		
Chloroform	22.3	1.0	ug/l	25.0	ND	89	70-130		
Chloromethane	19.0	1.0	ug/l	25.0	ND	76	30-145		
2-Chlorotoluene	21.4	1.0	ug/l	25.0	ND	86	65-145		
4-Chlorotoluene	21.7	1.0	ug/l	25.0	ND	87	70-145		
Dibromochloromethane	19.0	1.0	ug/l	25.0	ND	76	65-145		
1,2-Dibromo-3-chloropropane	17.2	5.0	ug/l	25.0	ND	69	50-150		
1,2-Dibromoethane (EDB)	21.1	1.0	ug/l	25.0	ND	84	70-125		
Dibromomethane	20.5	1.0	ug/l	25.0	ND	82	65-135		
1,2-Dichlorobenzene	21.4	1.0	ug/l	25.0	ND	86	70-130		
1,3-Dichlorobenzene	21.5	1.0	ug/l	25.0	ND	86	70-130		
1,4-Dichlorobenzene	21.7	1.0	ug/l	25.0	ND	87	75-120		
Dichlorodifluoromethane	11.3	5.0	ug/l	25.0	ND	45	10-160		

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Qualifiers
<u>Batch: 4A27007 Extracted: 01/27/04</u>									
Matrix Spike Analyzed: 01/27/04 (4A27007-MS1)									
1,1-Dichloroethane	23.9	1.0	ug/l	25.0	ND	96	65-135		
1,2-Dichloroethane	18.8	0.50	ug/l	25.0	ND	75	60-150		
1,1-Dichloroethene	24.7	1.0	ug/l	25.0	ND	99	65-145		
cis-1,2-Dichloroethene	23.7	1.0	ug/l	25.0	ND	95	60-130		
trans-1,2-Dichloroethene	24.4	1.0	ug/l	25.0	ND	98	60-135		
1,2-Dichloropropane	24.4	1.0	ug/l	25.0	ND	98	60-130		
1,3-Dichloropropane	21.6	1.0	ug/l	25.0	ND	86	65-140		
2,2-Dichloropropane	22.0	1.0	ug/l	25.0	ND	88	60-150		
1,1-Dichloropropene	21.3	1.0	ug/l	25.0	ND	85	60-145		
cis-1,3-Dichloropropene	21.9	0.50	ug/l	25.0	ND	88	70-140		
trans-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-140		
Ethylbenzene	21.6	1.0	ug/l	25.0	ND	86	70-125		
Hexachlorobutadiene	19.1	1.0	ug/l	25.0	ND	76	65-140		
Isopropylbenzene	21.2	1.0	ug/l	25.0	ND	85	65-130		
p-Isopropyltoluene	20.6	1.0	ug/l	25.0	ND	82	70-130		
Methylene chloride	26.2	5.0	ug/l	25.0	ND	105	60-135		
Naphthalene	19.2	1.0	ug/l	25.0	ND	77	50-145		
n-Propylbenzene	22.7	1.0	ug/l	25.0	ND	91	70-135		
Styrene	15.1	1.0	ug/l	25.0	ND	60	60-145		
1,1,1,2-Tetrachloroethane	20.3	1.0	ug/l	25.0	ND	81	65-145		
1,1,2,2-Tetrachloroethane	25.8	1.0	ug/l	25.0	ND	103	60-140		
Tetrachloroethene	21.0	1.0	ug/l	25.0	ND	84	70-130		
Toluene	22.1	1.0	ug/l	25.0	ND	88	65-120		
1,2,3-Trichlorobenzene	19.6	1.0	ug/l	25.0	ND	78	60-135		
1,2,4-Trichlorobenzene	20.9	1.0	ug/l	25.0	ND	84	55-140		
1,1,1-Trichloroethane	19.4	1.0	ug/l	25.0	ND	78	75-140		
1,1,2-Trichloroethane	23.4	1.0	ug/l	25.0	ND	94	60-135		
Trichloroethene	21.3	1.0	ug/l	25.0	ND	85	70-125		
Trichlorofluoromethane	18.1	1.0	ug/l	25.0	ND	72	50-150		
1,2,3-Trichloropropane	20.4	1.0	ug/l	25.0	ND	82	60-140		
1,2,4-Trimethylbenzene	20.7	1.0	ug/l	25.0	ND	83	60-125		
1,3,5-Trimethylbenzene	20.8	1.0	ug/l	25.0	ND	83	70-130		
Vinyl chloride	17.9	0.50	ug/l	25.0	ND	72	40-130		
o-Xylene	21.3	1.0	ug/l	25.0	ND	85	65-125		
m,p-Xylenes	43.5	1.0	ug/l	50.0	ND	87	60-125		

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Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A27007 Extracted: 01/27/04										
Matrix Spike Analyzed: 01/27/04 (4A27007-MS1)										
Surrogate: Dibromofluoromethane 26.0 ug/l 25.0 104 80-120										
Surrogate: Toluene-d8 25.7 ug/l 25.0 103 80-120										
Surrogate: 4-Bromofluorobenzene 24.2 ug/l 25.0 97 80-120										
Matrix Spike Dup Analyzed: 01/27/04 (4A27007-MSD1)										
Source: INA1211-08										
Benzene	25.6	0.50	ug/l	25.0	ND	102	70-120	10	20	
Bromobenzene	24.8	1.0	ug/l	25.0	ND	99	60-135	11	25	
Bromochloromethane	25.8	1.0	ug/l	25.0	ND	103	60-140	10	25	
Bromodichloromethane	22.2	1.0	ug/l	25.0	ND	89	70-140	14	20	
Bromoform	22.2	1.0	ug/l	25.0	ND	89	50-135	18	25	
Bromomethane	21.8	1.0	ug/l	25.0	ND	87	50-140	1	25	
n-Butylbenzene	23.8	1.0	ug/l	25.0	ND	95	70-135	12	20	
sec-Butylbenzene	24.4	1.0	ug/l	25.0	ND	98	70-130	11	20	
tert-Butylbenzene	23.4	1.0	ug/l	25.0	ND	94	70-130	12	20	
Carbon tetrachloride	20.6	0.50	ug/l	25.0	ND	82	70-140	14	25	
Chlorobenzene	25.3	1.0	ug/l	25.0	ND	101	80-125	12	20	
Chloroethane	22.9	1.0	ug/l	25.0	ND	92	50-145	13	25	
Chloroform	24.6	1.0	ug/l	25.0	ND	98	70-130	10	20	
Chloromethane	20.5	1.0	ug/l	25.0	ND	82	30-145	8	30	
2-Chlorotoluene	23.9	1.0	ug/l	25.0	ND	96	65-145	11	25	
4-Chlorotoluene	24.2	1.0	ug/l	25.0	ND	97	70-145	11	20	
Dibromochloromethane	21.9	1.0	ug/l	25.0	ND	88	65-145	14	20	
1,2-Dibromo-3-chloropropane	18.7	5.0	ug/l	25.0	ND	75	50-150	8	25	
1,2-Dibromoethane (EDB)	23.5	1.0	ug/l	25.0	ND	94	70-125	11	20	
Dibromomethane	23.5	1.0	ug/l	25.0	ND	94	65-135	14	20	
1,2-Dichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	70-130	12	20	
1,3-Dichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	70-130	12	20	
1,4-Dichlorobenzene	24.4	1.0	ug/l	25.0	ND	98	75-120	12	20	
Dichlorodifluoromethane	12.7	5.0	ug/l	25.0	ND	51	10-160	12	30	
1,1-Dichloroethane	26.4	1.0	ug/l	25.0	ND	106	65-135	10	20	
1,2-Dichloroethane	20.9	0.50	ug/l	25.0	ND	84	60-150	11	25	
1,1-Dichloroethene	27.0	1.0	ug/l	25.0	ND	108	65-145	9	25	
cis-1,2-Dichloroethene	26.5	1.0	ug/l	25.0	ND	106	60-130	11	20	
trans-1,2-Dichloroethene	26.6	1.0	ug/l	25.0	ND	106	60-135	9	20	
1,2-Dichloropropane	27.1	1.0	ug/l	25.0	ND	108	60-130	10	20	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A27007 Extracted: 01/27/04</u>										
Matrix Spike Dup Analyzed: 01/27/04 (4A27007-MSD1)										
Source: INA1211-08										
1,3-Dichloropropane	24.3	1.0	ug/l	25.0	ND	97	65-140	12	25	
2,2-Dichloropropane	24.0	1.0	ug/l	25.0	ND	96	60-150	9	20	
1,1-Dichloropropene	24.3	1.0	ug/l	25.0	ND	97	60-145	13	20	
cis-1,3-Dichloropropene	25.1	0.50	ug/l	25.0	ND	100	70-140	14	20	
trans-1,3-Dichloropropene	23.0	0.50	ug/l	25.0	ND	92	70-140	11	20	
Ethylbenzene	24.2	1.0	ug/l	25.0	ND	97	70-125	11	20	
Hexachlorobutadiene	21.3	1.0	ug/l	25.0	ND	85	65-140	11	25	
Isopropylbenzene	23.9	1.0	ug/l	25.0	ND	96	65-130	12	25	
p-Isopropyltoluene	23.4	1.0	ug/l	25.0	ND	94	70-130	13	20	
Methylene chloride	28.0	5.0	ug/l	25.0	ND	112	60-135	7	20	
Naphthalene	22.6	1.0	ug/l	25.0	ND	90	50-145	16	25	
n-Propylbenzene	25.7	1.0	ug/l	25.0	ND	103	70-135	12	20	
Styrene	7.67	1.0	ug/l	25.0	ND	31	60-145	65	25	M2, R-3
1,1,1,2-Tetrachloroethane	22.9	1.0	ug/l	25.0	ND	92	65-145	12	20	
1,1,2,2-Tetrachloroethane	28.5	1.0	ug/l	25.0	ND	114	60-140	10	25	
Tetrachloroethene	23.9	1.0	ug/l	25.0	ND	96	70-130	13	20	
Toluene	24.8	1.0	ug/l	25.0	ND	99	65-120	12	20	
1,2,3-Trichlorobenzene	23.7	1.0	ug/l	25.0	ND	95	60-135	19	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	55-140	15	25	
1,1,1-Trichloroethane	22.2	1.0	ug/l	25.0	ND	89	75-140	13	20	
1,1,2-Trichloroethane	24.8	1.0	ug/l	25.0	ND	99	60-135	6	20	
Trichloroethene	24.5	1.0	ug/l	25.0	ND	98	70-125	14	20	
Trichlorofluoromethane	20.2	1.0	ug/l	25.0	ND	81	50-150	11	25	
1,2,3-Trichloropropane	22.2	1.0	ug/l	25.0	ND	89	60-140	8	25	
1,2,4-Trimethylbenzene	22.7	1.0	ug/l	25.0	ND	91	60-125	9	20	
1,3,5-Trimethylbenzene	23.3	1.0	ug/l	25.0	ND	93	70-130	11	20	
Vinyl chloride	19.4	0.50	ug/l	25.0	ND	78	40-130	8	25	
o-Xylene	24.2	1.0	ug/l	25.0	ND	97	65-125	13	20	
m,p-Xylenes	49.2	1.0	ug/l	50.0	ND	98	60-125	12	25	
Surrogate: Dibromofluoromethane	25.2		ug/l	25.0		101	80-120			
Surrogate: Toluene-d8	25.4		ug/l	25.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	24.9		ug/l	25.0		100	80-120			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A27008 Extracted: 01/27/04										
Blank Analyzed: 01/27/04 (4A27008-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04

Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit	Data Qualifiers
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Batch: 4A27008 Extracted: 01/27/04

Blank Analyzed: 01/27/04 (4A27008-BLK1)

Ethylbenzene	ND	1.0	ug/l						
Hexachlorobutadiene	ND	1.0	ug/l						
Isopropylbenzene	ND	1.0	ug/l						
p-Isopropyltoluene	ND	1.0	ug/l						
Methylene chloride	ND	5.0	ug/l						
Naphthalene	ND	1.0	ug/l						
n-Propylbenzene	ND	1.0	ug/l						
Styrene	ND	1.0	ug/l						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l						
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l						
Tetrachloroethene	ND	1.0	ug/l						
Toluene	ND	1.0	ug/l						
1,2,3-Trichlorobenzene	ND	1.0	ug/l						
1,2,4-Trichlorobenzene	ND	1.0	ug/l						
1,1,1-Trichloroethane	ND	1.0	ug/l						
1,1,2-Trichloroethane	ND	1.0	ug/l						
Trichloroethene	ND	1.0	ug/l						
Trichlorofluoromethane	ND	1.0	ug/l						
1,2,3-Trichloropropane	ND	1.0	ug/l						
1,2,4-Trimethylbenzene	ND	1.0	ug/l						
1,3,5-Trimethylbenzene	ND	1.0	ug/l						
Vinyl chloride	ND	0.50	ug/l						
o-Xylene	ND	1.0	ug/l						
m,p-Xylenes	ND	1.0	ug/l						
Surrogate: Dibromofluoromethane	27.3		ug/l	25.0		109	80-120		
Surrogate: Toluene-d8	26.6		ug/l	25.0		106	80-120		
Surrogate: 4-Bromofluorobenzene	27.2		ug/l	25.0		109	80-120		

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Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A27008 Extracted: 01/27/04										
LCS Analyzed: 01/27/04 (4A27008-BS1)										
Benzene	24.4	0.50	ug/l	25.0		98	70-120			
Bromobenzene	27.6	1.0	ug/l	25.0		110	80-120			
Bromoform	26.4	1.0	ug/l	25.0		106	65-135			
Bromochloromethane	29.0	1.0	ug/l	25.0		116	70-140			
Bromodichloromethane	28.1	1.0	ug/l	25.0		112	50-135			
Bromoform	24.7	1.0	ug/l	25.0		99	60-140			
Bromomethane	28.3	1.0	ug/l	25.0		113	75-130			
n-Butylbenzene	28.5	1.0	ug/l	25.0		114	75-125			
sec-Butylbenzene	30.0	1.0	ug/l	25.0		120	75-125			
tert-Butylbenzene	30.4	0.50	ug/l	25.0		122	70-140			
Carbon tetrachloride	26.2	1.0	ug/l	25.0		105	80-125			
Chlorobenzene	23.6	1.0	ug/l	25.0		94	60-145			
Chloroethane	26.6	1.0	ug/l	25.0		106	70-130			
Chloroform	18.6	1.0	ug/l	25.0		74	40-145			
Chloromethane	27.9	1.0	ug/l	25.0		112	75-125			
2-Chlorotoluene	28.6	1.0	ug/l	25.0		114	75-125			
1,2-Dibromo-3-chloropropane	26.4	5.0	ug/l	25.0		106	50-130			
1,2-Dibromoethane (EDB)	26.3	1.0	ug/l	25.0		105	70-125			
Dibromomethane	26.9	1.0	ug/l	25.0		108	70-130			
1,2-Dichlorobenzene	28.4	1.0	ug/l	25.0		114	75-120			
1,3-Dichlorobenzene	26.9	1.0	ug/l	25.0		108	75-120			
1,4-Dichlorobenzene	26.7	1.0	ug/l	25.0		107	80-120			
Dichlorodifluoromethane	16.7	5.0	ug/l	25.0		67	10-160			
1,1-Dichloroethane	24.9	1.0	ug/l	25.0		100	70-135			
1,2-Dichloroethane	28.8	0.50	ug/l	25.0		115	60-150			
1,1-Dichloroethene	25.7	1.0	ug/l	25.0		103	75-140			
cis-1,2-Dichloroethene	25.4	1.0	ug/l	25.0		102	65-125			
trans-1,2-Dichloroethene	25.8	1.0	ug/l	25.0		103	65-130			
1,2-Dichloropropane	24.4	1.0	ug/l	25.0		98	65-120			
1,3-Dichloropropane	24.6	1.0	ug/l	25.0		98	70-130			
2,2-Dichloropropane	26.9	1.0	ug/l	25.0		108	70-150			
1,1-Dichloropropene	26.8	1.0	ug/l	25.0		107	75-130			
cis-1,3-Dichloropropene	27.9	0.50	ug/l	25.0		112	70-130			
trans-1,3-Dichloropropene	29.2	0.50	ug/l	25.0		117	75-135			

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Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Qualifiers
Batch: 4A27008 Extracted: 01/27/04									
LCS Analyzed: 01/27/04 (4A27008-BS1)									
Ethylbenzene	27.9	1.0	ug/l	25.0	112	80-120			
Hexachlorobutadiene	27.7	1.0	ug/l	25.0	111	65-140			
Isopropylbenzene	29.4	1.0	ug/l	25.0	118	70-125			
p-Isopropyltoluene	27.2	1.0	ug/l	25.0	109	75-125			
Methylene chloride	24.4	5.0	ug/l	25.0	98	60-135			
Naphthalene	28.2	1.0	ug/l	25.0	113	50-145			
n-Propylbenzene	29.3	1.0	ug/l	25.0	117	75-130			
Styrene	30.4	1.0	ug/l	25.0	122	80-135			
1,1,1,2-Tetrachloroethane	27.8	1.0	ug/l	25.0	111	70-145			
1,1,2,2-Tetrachloroethane	23.7	1.0	ug/l	25.0	95	60-135			
Tetrachloroethene	27.8	1.0	ug/l	25.0	111	75-125			
Toluene	25.8	1.0	ug/l	25.0	103	70-120			
1,2,3-Trichlorobenzene	28.3	1.0	ug/l	25.0	113	65-135			
1,2,4-Trichlorobenzene	29.4	1.0	ug/l	25.0	118	70-140			
1,1,1-Trichloroethane	28.7	1.0	ug/l	25.0	115	75-140			
1,1,2-Trichloroethane	25.4	1.0	ug/l	25.0	102	65-125			
Trichloroethene	26.9	1.0	ug/l	25.0	108	75-120			
Trichlorofluoromethane	26.5	1.0	ug/l	25.0	106	60-145			
1,2,3-Trichloropropane	24.4	1.0	ug/l	25.0	98	60-130			
1,2,4-Trimethylbenzene	28.9	1.0	ug/l	25.0	116	75-125			
1,3,5-Trimethylbenzene	29.0	1.0	ug/l	25.0	116	75-125			
Vinyl chloride	22.3	0.50	ug/l	25.0	89	50-125			
o-Xylene	27.4	1.0	ug/l	25.0	110	75-125			
m,p-Xylenes	54.4	1.0	ug/l	50.0	109	70-120			
Surrogate: Dibromofluoromethane	27.4		ug/l	25.0	110	80-120			
Surrogate: Toluene-d8	26.9		ug/l	25.0	108	80-120			
Surrogate: 4-Bromofluorobenzene	26.7		ug/l	25.0	107	80-120			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A27008 Extracted: 01/27/04</u>										
Matrix Spike Analyzed: 01/27/04 (4A27008-MS1)										
Source: INA1151-05										
Benzene	27.9	0.50	ug/l	25.0	ND	112	70-120			
Bromobenzene	30.4	1.0	ug/l	25.0	ND	122	60-135			
Bromochloromethane	29.6	1.0	ug/l	25.0	ND	118	60-140			
Bromodichloromethane	33.3	1.0	ug/l	25.0	ND	133	70-140			
Bromoform	30.7	1.0	ug/l	25.0	ND	123	50-135			
Bromomethane	28.8	1.0	ug/l	25.0	ND	115	50-140			
n-Butylbenzene	32.0	1.0	ug/l	25.0	ND	128	70-135			
sec-Butylbenzene	32.0	1.0	ug/l	25.0	ND	128	70-130			
tert-Butylbenzene	34.1	1.0	ug/l	25.0	ND	136	70-130			
Carbon tetrachloride	35.2	0.50	ug/l	25.0	ND	141	70-140			M1
Chlorobenzene	30.0	1.0	ug/l	25.0	ND	120	80-125			M1
Chloroethane	27.2	1.0	ug/l	25.0	ND	109	50-145			
Chloroform	31.2	1.0	ug/l	25.0	0.41	123	70-130			
Chloromethane	21.4	1.0	ug/l	25.0	ND	86	30-145			
2-Chlorotoluene	31.5	1.0	ug/l	25.0	ND	126	65-145			
4-Chlorotoluene	31.9	1.0	ug/l	25.0	ND	128	70-145			
Dibromochloromethane	31.8	1.0	ug/l	25.0	ND	127	65-145			
1,2-Dibromo-3-chloropropane	27.2	5.0	ug/l	25.0	ND	109	50-150			
1,2-Dibromoethane (EDB)	28.8	1.0	ug/l	25.0	ND	115	70-125			
Dibromomethane	29.6	1.0	ug/l	25.0	ND	118	65-135			
1,2-Dichlorobenzene	31.6	1.0	ug/l	25.0	ND	126	70-130			
1,3-Dichlorobenzene	30.1	1.0	ug/l	25.0	ND	120	70-130			
1,4-Dichlorobenzene	30.1	1.0	ug/l	25.0	ND	120	75-120			
Dichlorodifluoromethane	19.0	5.0	ug/l	25.0	ND	76	10-160			
1,1-Dichloroethane	28.9	1.0	ug/l	25.0	ND	116	65-135			
1,2-Dichloroethane	32.1	0.50	ug/l	25.0	ND	128	60-150			
1,1-Dichloroethene	27.2	1.0	ug/l	25.0	0.34	107	65-145			
cis-1,2-Dichloroethene	30.5	1.0	ug/l	25.0	ND	122	60-130			
trans-1,2-Dichloroethene	28.1	1.0	ug/l	25.0	ND	112	60-135			
1,2-Dichloropropane	27.4	1.0	ug/l	25.0	ND	110	60-130			
1,3-Dichloropropane	27.4	1.0	ug/l	25.0	ND	110	65-140			
2,2-Dichloropropane	33.2	1.0	ug/l	25.0	ND	133	60-150			
1,1-Dichloropropene	29.8	1.0	ug/l	25.0	ND	119	60-145			
cis-1,3-Dichloropropene	31.5	0.50	ug/l	25.0	ND	126	70-140			
trans-1,3-Dichloropropene	32.4	0.50	ug/l	25.0	ND	130	70-140			

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Sampled: 01/23/04
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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A27008 Extracted: 01/27/04										
Matrix Spike Analyzed: 01/27/04 (4A27008-MS1)										
Source: INA1151-05										
Ethylbenzene	31.7	1.0	ug/l	25.0	ND	127	70-125			M1
Hexachlorobutadiene	31.7	1.0	ug/l	25.0	ND	127	65-140			
Isopropylbenzene	32.8	1.0	ug/l	25.0	ND	131	65-130			M1
p-Isopropyltoluene	28.4	1.0	ug/l	25.0	ND	114	70-130			
Methylene chloride	27.9	5.0	ug/l	25.0	ND	112	60-135			
Naphthalene	24.5	1.0	ug/l	25.0	ND	98	50-145			
n-Propylbenzene	32.6	1.0	ug/l	25.0	ND	130	70-135			
Styrene	9.89	1.0	ug/l	25.0	ND	40	60-145			M2
1,1,1,2-Tetrachloroethane	31.1	1.0	ug/l	25.0	ND	124	65-145			
1,1,2,2-Tetrachloroethane	26.9	1.0	ug/l	25.0	ND	108	60-140			
Tetrachloroethene	43.3	1.0	ug/l	25.0	12	125	70-130			
Toluene	29.6	1.0	ug/l	25.0	ND	118	65-120			
1,2,3-Trichlorobenzene	31.4	1.0	ug/l	25.0	ND	126	60-135			
1,2,4-Trichlorobenzene	33.1	1.0	ug/l	25.0	ND	132	55-140			
1,1,1-Trichloroethane	33.5	1.0	ug/l	25.0	ND	134	75-140			
1,1,2-Trichloroethane	27.5	1.0	ug/l	25.0	ND	110	60-135			
Trichloroethene	50.8	1.0	ug/l	25.0	22	115	70-125			
Trichlorofluoromethane	31.4	1.0	ug/l	25.0	0.51	124	50-150			
1,2,3-Trichloropropane	26.0	1.0	ug/l	25.0	ND	104	60-140			
1,2,4-Trimethylbenzene	16.5	1.0	ug/l	25.0	ND	66	60-125			
1,3,5-Trimethylbenzene	28.0	1.0	ug/l	25.0	ND	112	70-130			
Vinyl chloride	25.6	0.50	ug/l	25.0	ND	102	40-130			
o-Xylene	31.4	1.0	ug/l	25.0	ND	126	65-125			M1
m,p-Xylenes	58.5	1.0	ug/l	50.0	ND	117	60-125			
Surrogate: Dibromofluoromethane	27.2		ug/l	25.0		109	80-120			
Surrogate: Toluene-d8	26.8		ug/l	25.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	27.0		ug/l	25.0		108	80-120			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A27008 Extracted: 01/27/04										
Matrix Spike Dup Analyzed: 01/27/04 (4A27008-MSD1)										
Source: INA1151-05										
Benzene	28.7	0.50	ug/l	25.0	ND	115	70-120	3	20	
Bromobenzene	31.2	1.0	ug/l	25.0	ND	125	60-135	3	25	
Bromochloromethane	30.6	1.0	ug/l	25.0	ND	122	60-140	3	25	
Bromodichloromethane	33.1	1.0	ug/l	25.0	ND	132	70-140	1	20	
Bromoform	30.5	1.0	ug/l	25.0	ND	122	50-135	1	25	
Bromomethane	30.3	1.0	ug/l	25.0	ND	121	50-140	5	25	
n-Butylbenzene	33.0	1.0	ug/l	25.0	ND	132	70-135	3	20	
sec-Butylbenzene	33.1	1.0	ug/l	25.0	ND	132	70-130	3	20	MI
tert-Butylbenzene	35.1	1.0	ug/l	25.0	ND	140	70-130	3	20	MI
Carbon tetrachloride	35.0	0.50	ug/l	25.0	ND	140	70-140	1	25	
Chlorobenzene	31.2	1.0	ug/l	25.0	ND	125	80-125	4	20	
Chloroethane	29.5	1.0	ug/l	25.0	ND	118	50-145	8	25	
Chloroform	31.6	1.0	ug/l	25.0	0.41	125	70-130	1	20	
Chloromethane	23.6	1.0	ug/l	25.0	ND	94	30-145	10	30	
2-Chlorotoluene	32.4	1.0	ug/l	25.0	ND	130	65-145	3	25	
4-Chlorotoluene	32.8	1.0	ug/l	25.0	ND	131	70-145	3	20	
Dibromochloromethane	32.0	1.0	ug/l	25.0	ND	128	65-145	1	20	
1,2-Dibromo-3-chloropropane	26.6	5.0	ug/l	25.0	ND	106	50-150	2	25	
1,2-Dibromoethane (EDB)	28.6	1.0	ug/l	25.0	ND	114	70-125	1	20	
Dibromomethane	29.0	1.0	ug/l	25.0	ND	116	65-135	2	20	
1,2-Dichlorobenzene	32.0	1.0	ug/l	25.0	ND	128	70-130	1	20	
1,3-Dichlorobenzene	31.1	1.0	ug/l	25.0	ND	124	70-130	3	20	
1,4-Dichlorobenzene	30.5	1.0	ug/l	25.0	ND	122	75-120	1	20	MI
Dichlorodifluoromethane	19.7	5.0	ug/l	25.0	ND	79	10-160	4	30	
1,1-Dichloroethane	29.3	1.0	ug/l	25.0	ND	117	65-135	1	20	
1,2-Dichloroethane	31.8	0.50	ug/l	25.0	ND	127	60-150	1	25	
1,1-Dichloroethene	28.5	1.0	ug/l	25.0	0.34	113	65-145	5	25	
cis-1,2-Dichloroethene	31.6	1.0	ug/l	25.0	ND	126	60-130	4	20	
trans-1,2-Dichloroethene	29.0	1.0	ug/l	25.0	ND	116	60-135	3	20	
1,2-Dichloropropane	28.4	1.0	ug/l	25.0	ND	114	60-130	4	20	
1,3-Dichloropropane	27.4	1.0	ug/l	25.0	ND	110	65-140	0	25	
2,2-Dichloropropane	34.3	1.0	ug/l	25.0	ND	137	60-150	3	20	
1,1-Dichloropropene	30.6	1.0	ug/l	25.0	ND	122	60-145	3	20	
cis-1,3-Dichloropropene	31.4	0.50	ug/l	25.0	ND	126	70-140	0	20	
trans-1,3-Dichloropropene	32.3	0.50	ug/l	25.0	ND	129	70-140	0	20	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INAI203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A27008 Extracted: 01/27/04										
Matrix Spike Dup Analyzed: 01/27/04 (4A27008-MSD1)					Source: INAI1151-05					
Ethylbenzene	32.9	1.0	ug/l	25.0	ND	132	70-125	4	20	M1
Hexachlorobutadiene	32.6	1.0	ug/l	25.0	ND	130	65-140	3	25	
Isopropylbenzene	33.8	1.0	ug/l	25.0	ND	135	65-130	3	25	M1
p-Isopropyltoluene	29.7	1.0	ug/l	25.0	ND	119	70-130	4	20	
Methylene chloride	28.6	5.0	ug/l	25.0	ND	114	60-135	2	20	
Naphthalene	24.1	1.0	ug/l	25.0	ND	96	50-145	2	25	
n-Propylbenzene	33.5	1.0	ug/l	25.0	ND	134	70-135	3	20	
Styrene	10.2	1.0	ug/l	25.0	ND	41	60-145	3	25	M2
1,1,1,2-Tetrachloroethane	32.2	1.0	ug/l	25.0	ND	129	65-145	3	20	
1,1,2,2-Tetrachloroethane	26.6	1.0	ug/l	25.0	ND	106	60-140	1	25	
Tetrachloroethene	44.7	1.0	ug/l	25.0	12	131	70-130	3	20	M1
Toluene	30.0	1.0	ug/l	25.0	ND	120	65-120	1	20	
1,2,3-Trichlorobenzene	31.7	1.0	ug/l	25.0	ND	127	60-135	1	20	
1,2,4-Trichlorobenzene	33.6	1.0	ug/l	25.0	ND	134	55-140	1	25	
1,1,1-Trichloroethane	33.4	1.0	ug/l	25.0	ND	134	75-140	0	20	
1,1,2-Trichloroethane	27.3	1.0	ug/l	25.0	ND	109	60-135	1	20	
Trichloroethene	51.4	1.0	ug/l	25.0	22	118	70-125	1	20	
Trichlorofluoromethane	31.6	1.0	ug/l	25.0	0.51	124	50-150	1	25	
1,2,3-Trichloropropane	25.6	1.0	ug/l	25.0	ND	102	60-140	2	25	
1,2,4-Trimethylbenzene	17.4	1.0	ug/l	25.0	ND	70	60-125	5	20	
1,3,5-Trimethylbenzene	29.5	1.0	ug/l	25.0	ND	118	70-130	5	20	
Vinyl chloride	28.1	0.50	ug/l	25.0	ND	112	40-130	9	25	
o-Xylene	32.4	1.0	ug/l	25.0	ND	130	65-125	3	20	M1
m,p-Xylenes	62.1	1.0	ug/l	50.0	ND	124	60-125	6	25	
Surrogate: Dibromofluoromethane	27.0		ug/l	25.0		108	80-120			
Surrogate: Toluene-d8	26.6		ug/l	25.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	27.4		ug/l	25.0		110	80-120			

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Camp, Dresser & McKee
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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A28022 Extracted: 01/28/04										
Blank Analyzed: 01/28/04 (4A28022-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							

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Project ID: PTI-PhibroTech-2279, Jan 2004
Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A28022 Extracted: 01/28/04										
Blank Analyzed: 01/28/04 (4A28022-BLK1)										
Ethylbenzene	ND	1.0	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	25.4		ug/l	25.0		102	80-120			
Surrogate: Toluene-d8	25.0		ug/l	25.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	24.3		ug/l	25.0		97	80-120			

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Limit Qualifiers
Batch: 4A28022 Extracted: 01/28/04									
LCS Analyzed: 01/28/04 (4A28022-BS1)									
Benzene	23.5	0.50	ug/l	25.0		94	70-120		
Bromobenzene	26.1	1.0	ug/l	25.0		104	80-120		
Bromochloromethane	25.3	1.0	ug/l	25.0		101	65-135		
Bromodichloromethane	25.9	1.0	ug/l	25.0		104	70-140		
Bromoform	20.9	1.0	ug/l	25.0		84	50-135		
Bromomethane	24.9	1.0	ug/l	25.0		100	60-140		
n-Butylbenzene	26.5	1.0	ug/l	25.0		106	75-130		
sec-Butylbenzene	27.8	1.0	ug/l	25.0		111	75-125		
tert-Butylbenzene	28.2	1.0	ug/l	25.0		113	75-125		
Carbon tetrachloride	25.1	0.50	ug/l	25.0		100	70-140		
Chlorobenzene	25.5	1.0	ug/l	25.0		102	80-125		
Chloroethane	22.5	1.0	ug/l	25.0		90	60-145		
Chloroform	25.4	1.0	ug/l	25.0		102	70-130		
Chloromethane	16.7	1.0	ug/l	25.0		67	40-145		
2-Chlorotoluene	27.8	1.0	ug/l	25.0		111	75-125		
4-Chlorotoluene	28.1	1.0	ug/l	25.0		112	75-125		
Dibromochloromethane	22.8	1.0	ug/l	25.0		91	65-145		
1,2-Dibromo-3-chloropropane	19.6	5.0	ug/l	25.0		78	50-130		
1,2-Dibromoethane (EDB)	25.4	1.0	ug/l	25.0		102	70-125		
Dibromomethane	23.8	1.0	ug/l	25.0		95	70-130		
1,2-Dichlorobenzene	25.7	1.0	ug/l	25.0		103	75-120		
1,3-Dichlorobenzene	26.0	1.0	ug/l	25.0		104	75-120		
1,4-Dichlorobenzene	25.6	1.0	ug/l	25.0		102	80-120		
Dichlorodifluoromethane	15.2	5.0	ug/l	25.0		61	10-160		
1,1-Dichloroethane	24.3	1.0	ug/l	25.0		97	70-135		
1,2-Dichloroethane	23.5	0.50	ug/l	25.0		94	60-150		
1,1-Dichloroethene	26.2	1.0	ug/l	25.0		105	75-140		
cis-1,2-Dichloroethene	26.6	1.0	ug/l	25.0		106	65-125		
trans-1,2-Dichloroethene	26.7	1.0	ug/l	25.0		107	65-130		
1,2-Dichloropropane	23.2	1.0	ug/l	25.0		93	65-120		
1,3-Dichloropropane	24.9	1.0	ug/l	25.0		100	70-130		
2,2-Dichloropropane	30.2	1.0	ug/l	25.0		121	70-150		
1,1-Dichloropropene	25.1	1.0	ug/l	25.0		100	75-130		
cis-1,3-Dichloropropene	26.2	0.50	ug/l	25.0		105	70-130		
trans-1,3-Dichloropropene	23.0	0.50	ug/l	25.0		92	75-135		

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Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004
Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Data Limit Qualifiers
Batch: 4A28022 Extracted: 01/28/04									
LCS Analyzed: 01/28/04 (4A28022-BS1)									
Ethylbenzene	26.1	1.0	ug/l	25.0		104	80-120		
Hexachlorobutadiene	18.4	1.0	ug/l	25.0		74	65-140		
Isopropylbenzene	28.4	1.0	ug/l	25.0		114	70-125		
p-Isopropyltoluene	25.5	1.0	ug/l	25.0		102	75-125		
Methylene chloride	26.3	5.0	ug/l	25.0		105	60-135		
Naphthalene	21.7	1.0	ug/l	25.0		87	50-145		
n-Propylbenzene	29.1	1.0	ug/l	25.0		116	75-130		
Styrene	24.6	1.0	ug/l	25.0		98	80-135		
1,1,1,2-Tetrachloroethane	25.4	1.0	ug/l	25.0		102	70-145		
1,1,2,2-Tetrachloroethane	26.5	1.0	ug/l	25.0		106	60-135		
Tetrachloroethene	23.8	1.0	ug/l	25.0		95	75-125		
Toluene	24.1	1.0	ug/l	25.0		96	70-120		
1,2,3-Trichlorobenzene	20.9	1.0	ug/l	25.0		84	65-135		
1,2,4-Trichlorobenzene	22.2	1.0	ug/l	25.0		89	70-140		
1,1,1-Trichloroethane	26.5	1.0	ug/l	25.0		106	75-140		
1,1,2-Trichloroethane	23.7	1.0	ug/l	25.0		95	65-125		
Trichloroethene	23.8	1.0	ug/l	25.0		95	75-120		
Trichlorofluoromethane	23.0	1.0	ug/l	25.0		92	60-145		
1,2,3-Trichloropropane	24.6	1.0	ug/l	25.0		98	60-130		
1,2,4-Trimethylbenzene	26.9	1.0	ug/l	25.0		108	75-125		
1,3,5-Trimethylbenzene	27.9	1.0	ug/l	25.0		112	75-125		
Vinyl chloride	20.0	0.50	ug/l	25.0		80	50-125		
o-Xylene	26.3	1.0	ug/l	25.0		105	75-125		
m,p-Xylenes	52.6	1.0	ug/l	50.0		105	70-120		
Surrogate: Dibromofluoromethane	24.8		ug/l	25.0		99	80-120		
Surrogate: Toluene-d8	24.9		ug/l	25.0		100	80-120		
Surrogate: 4-Bromofluorobenzene	24.9		ug/l	25.0		100	80-120		

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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
<u>Batch: 4A28022 Extracted: 01/28/04</u>										
Matrix Spike Analyzed: 01/28/04 (4A28022-MS1)										
Source: INA1381-01										
Benzene	30.6	0.50	ug/l	25.0	5.7	100	70-120			
Bromobenzene	25.9	1.0	ug/l	25.0	ND	104	60-135			
Bromoform	21.7	1.0	ug/l	25.0	ND	87	50-135			
Bromomethane	25.5	1.0	ug/l	25.0	ND	102	50-140			
n-Butylbenzene	27.2	1.0	ug/l	25.0	ND	109	70-135			
sec-Butylbenzene	26.9	1.0	ug/l	25.0	ND	108	70-130			
tert-Butylbenzene	27.0	1.0	ug/l	25.0	ND	108	70-130			
Carbon tetrachloride	26.0	0.50	ug/l	25.0	ND	104	70-140			
Chlorobenzene	26.2	1.0	ug/l	25.0	ND	105	80-125			
Chloroethane	22.6	1.0	ug/l	25.0	ND	90	50-145			
Chloroform	27.7	1.0	ug/l	25.0	ND	111	70-130			
Chloromethane	17.1	1.0	ug/l	25.0	ND	68	30-145			
2-Chlorotoluene	26.7	1.0	ug/l	25.0	ND	107	65-145			
4-Chlorotoluene	27.6	1.0	ug/l	25.0	ND	110	70-145			
Dibromochloromethane	23.8	1.0	ug/l	25.0	ND	95	65-145			
1,2-Dibromo-3-chloropropane	21.4	5.0	ug/l	25.0	ND	86	50-150			
1,2-Dibromoethane (EDB)	26.0	1.0	ug/l	25.0	ND	104	70-125			
Dibromomethane	25.7	1.0	ug/l	25.0	ND	103	65-135			
1,2-Dichlorobenzene	26.6	1.0	ug/l	25.0	ND	106	70-130			
1,3-Dichlorobenzene	26.3	1.0	ug/l	25.0	ND	105	70-130			
1,4-Dichlorobenzene	26.1	1.0	ug/l	25.0	ND	104	75-120			
Dichlorodifluoromethane	15.7	5.0	ug/l	25.0	ND	63	10-160			
1,1-Dichloroethane	25.8	1.0	ug/l	25.0	ND	103	65-135			
1,2-Dichloroethane	25.5	0.50	ug/l	25.0	ND	102	60-150			
1,1-Dichloroethene	26.7	1.0	ug/l	25.0	ND	107	65-145			
cis-1,2-Dichloroethene	27.7	1.0	ug/l	25.0	ND	111	60-130			
trans-1,2-Dichloroethene	27.6	1.0	ug/l	25.0	ND	110	60-135			
1,2-Dichloropropane	24.7	1.0	ug/l	25.0	ND	99	60-130			
1,3-Dichloropropane	25.7	1.0	ug/l	25.0	ND	103	65-140			
2,2-Dichloropropane	30.3	1.0	ug/l	25.0	ND	121	60-150			
1,1-Dichloropropene	25.5	1.0	ug/l	25.0	ND	102	60-145			
cis-1,3-Dichloropropene	27.5	0.50	ug/l	25.0	ND	110	70-140			
trans-1,3-Dichloropropene	24.5	0.50	ug/l	25.0	ND	98	70-140			

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 4A28022 Extracted: 01/28/04

Matrix Spike Analyzed: 01/28/04 (4A28022-MS1)

Source: INA1381-01

Ethylbenzene	27.0	1.0	ug/l	25.0	0.26	107	70-125
Hexachlorobutadiene	21.1	1.0	ug/l	25.0	ND	84	65-140
Isopropylbenzene	26.5	1.0	ug/l	25.0	ND	106	65-130
p-Isopropyltoluene	24.8	1.0	ug/l	25.0	ND	99	70-130
Methylene chloride	27.5	5.0	ug/l	25.0	ND	110	60-135
Naphthalene	26.4	1.0	ug/l	25.0	ND	106	50-145
n-Propylbenzene	27.7	1.0	ug/l	25.0	ND	111	70-135
Styrene	22.8	1.0	ug/l	25.0	ND	91	60-145
1,1,1,2-Tetrachloroethane	26.2	1.0	ug/l	25.0	ND	105	65-145
1,1,2,2-Tetrachloroethane	27.4	1.0	ug/l	25.0	ND	110	60-140
Tetrachloroethene	24.0	1.0	ug/l	25.0	ND	96	70-130
Toluene	25.8	1.0	ug/l	25.0	ND	103	65-120
1,2,3-Trichlorobenzene	25.7	1.0	ug/l	25.0	ND	103	60-135
1,2,4-Trichlorobenzene	27.1	1.0	ug/l	25.0	ND	108	55-140
1,1,1-Trichloroethane	27.9	1.0	ug/l	25.0	ND	112	75-140
1,1,2-Trichloroethane	25.7	1.0	ug/l	25.0	ND	103	60-135
Trichloroethene	24.2	1.0	ug/l	25.0	ND	97	70-125
Trichlorofluoromethane	23.6	1.0	ug/l	25.0	ND	94	50-150
1,2,3-Trichloropropane	23.7	1.0	ug/l	25.0	ND	95	60-140
1,2,4-Trimethylbenzene	26.0	1.0	ug/l	25.0	ND	104	60-125
1,3,5-Trimethylbenzene	26.2	1.0	ug/l	25.0	ND	105	70-130
Vinyl chloride	20.5	0.50	ug/l	25.0	ND	82	40-130
o-Xylene	27.3	1.0	ug/l	25.0	ND	109	65-125
m,p-Xylenes	53.6	1.0	ug/l	50.0	ND	107	60-125
Surrogate: Dibromofluoromethane	25.7		ug/l	25.0		103	80-120
Surrogate: Toluene-d8	25.4		ug/l	25.0		102	80-120
Surrogate: 4-Bromofluorobenzene	25.9		ug/l	25.0		104	80-120

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Camp, Dresser & McKee
 18581 Teller Avenue, #200
 Irvine, CA 92612
 Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004
 Report Number: INA1203

Sampled: 01/23/04
 Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 4A28022 Extracted: 01/28/04										
Matrix Spike Dup Analyzed: 01/28/04 (4A28022-MSD1)										
Source: INA1381-01										
Benzene	30.5	0.50	ug/l	25.0	5.7	99	70-120	0	20	
Bromobenzene	25.7	1.0	ug/l	25.0	ND	103	60-135	1	25	
Bromoform	26.5	1.0	ug/l	25.0	ND	106	60-140	3	25	
Bromochloromethane	27.7	1.0	ug/l	25.0	ND	111	70-140	1	20	
Bromodichloromethane	20.4	1.0	ug/l	25.0	ND	82	50-135	6	25	
Bromomethane	24.7	1.0	ug/l	25.0	ND	99	50-140	3	25	
n-Butylbenzene	27.9	1.0	ug/l	25.0	ND	112	70-135	3	20	
sec-Butylbenzene	27.2	1.0	ug/l	25.0	ND	109	70-130	1	20	
tert-Butylbenzene	27.4	1.0	ug/l	25.0	ND	110	70-130	1	20	
Carbon tetrachloride	25.9	0.50	ug/l	25.0	ND	104	70-140	0	25	
Chlorobenzene	26.5	1.0	ug/l	25.0	ND	106	80-125	1	20	
Chloroethane	22.4	1.0	ug/l	25.0	ND	90	50-145	1	25	
Chloroform	27.1	1.0	ug/l	25.0	ND	108	70-130	2	20	
Chloromethane	16.9	1.0	ug/l	25.0	ND	68	30-145	1	30	
2-Chlorotoluene	27.4	1.0	ug/l	25.0	ND	110	65-145	3	25	
4-Chlorotoluene	28.2	1.0	ug/l	25.0	ND	113	70-145	2	20	
Dibromochloromethane	22.8	1.0	ug/l	25.0	ND	91	65-145	4	20	
1,2-Dibromo-3-chloropropane	19.4	5.0	ug/l	25.0	ND	78	50-150	10	25	
1,2-Dibromoethane (EDB)	24.8	1.0	ug/l	25.0	ND	99	70-125	5	20	
Dibromomethane	24.0	1.0	ug/l	25.0	ND	96	65-135	7	20	
1,2-Dichlorobenzene	27.0	1.0	ug/l	25.0	ND	108	70-130	1	20	
1,3-Dichlorobenzene	26.8	1.0	ug/l	25.0	ND	107	70-130	2	20	
1,4-Dichlorobenzene	26.6	1.0	ug/l	25.0	ND	106	75-120	2	20	
Dichlorodifluoromethane	15.7	5.0	ug/l	25.0	ND	63	10-160	0	30	
1,1-Dichloroethane	25.8	1.0	ug/l	25.0	ND	103	65-135	0	20	
1,2-Dichloroethane	24.4	0.50	ug/l	25.0	ND	98	60-150	4	25	
1,1-Dichloroethene	26.5	1.0	ug/l	25.0	ND	106	65-145	1	25	
cis-1,2-Dichloroethene	27.8	1.0	ug/l	25.0	ND	111	60-130	0	20	
trans-1,2-Dichloroethene	27.9	1.0	ug/l	25.0	ND	112	60-135	1	20	
1,2-Dichloropropane	24.3	1.0	ug/l	25.0	ND	97	60-130	2	20	
1,3-Dichloropropane	24.4	1.0	ug/l	25.0	ND	98	65-140	5	25	
2,2-Dichloropropane	30.9	1.0	ug/l	25.0	ND	124	60-150	2	20	
1,1-Dichloropropene	25.9	1.0	ug/l	25.0	ND	104	60-145	2	20	
cis-1,3-Dichloropropene	27.2	0.50	ug/l	25.0	ND	109	70-140	1	20	
trans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0	ND	94	70-140	4	20	

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Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	Data Limit Qualifiers
<u>Batch: 4A28022 Extracted: 01/28/04</u>									
Matrix Spike Dup Analyzed: 01/28/04 (4A28022-MSD1)					Source: INA1381-01				
Ethylbenzene	27.0	1.0	ug/l	25.0	0.26	107	70-125	0	20
Hexachlorobutadiene	21.9	1.0	ug/l	25.0	ND	88	65-140	4	25
Isopropylbenzene	27.3	1.0	ug/l	25.0	ND	109	65-130	3	25
p-Isopropyltoluene	25.4	1.0	ug/l	25.0	ND	102	70-130	2	20
Methylene chloride	27.4	5.0	ug/l	25.0	ND	110	60-135	0	20
Naphthalene	25.7	1.0	ug/l	25.0	ND	103	50-145	3	25
n-Propylbenzene	28.5	1.0	ug/l	25.0	ND	114	70-135	3	20
Styrene	22.1	1.0	ug/l	25.0	ND	88	60-145	3	25
1,1,1,2-Tetrachloroethane	26.3	1.0	ug/l	25.0	ND	105	65-145	0	20
1,1,2,2-Tetrachloroethane	25.0	1.0	ug/l	25.0	ND	100	60-140	9	25
Tetrachloroethene	23.9	1.0	ug/l	25.0	ND	96	70-130	0	20
Toluene	25.8	1.0	ug/l	25.0	ND	103	65-120	0	20
1,2,3-Trichlorobenzene	26.3	1.0	ug/l	25.0	ND	105	60-135	2	20
1,2,4-Trichlorobenzene	27.9	1.0	ug/l	25.0	ND	112	55-140	3	25
1,1,1-Trichloroethane	27.8	1.0	ug/l	25.0	ND	111	75-140	0	20
1,1,2-Trichloroethane	24.0	1.0	ug/l	25.0	ND	96	60-135	7	20
Trichloroethene	24.7	1.0	ug/l	25.0	ND	99	70-125	2	20
Trichlorofluoromethane	23.6	1.0	ug/l	25.0	ND	94	50-150	0	25
1,2,3-Trichloropropane	21.9	1.0	ug/l	25.0	ND	88	60-140	8	25
1,2,4-Trimethylbenzene	26.0	1.0	ug/l	25.0	ND	104	60-125	0	20
1,3,5-Trimethylbenzene	26.5	1.0	ug/l	25.0	ND	106	70-130	1	20
Vinyl chloride	20.6	0.50	ug/l	25.0	ND	82	40-130	1	25
o-Xylene	26.9	1.0	ug/l	25.0	ND	108	65-125	1	20
m,p-Xylenes	53.2	1.0	ug/l	50.0	ND	106	60-125	1	25
Surrogate: Dibromofluoromethane	25.4		ug/l	25.0		102	80-120		
Surrogate: Toluene-d8	25.1		ug/l	25.0		100	80-120		
Surrogate: 4-Bromofluorobenzene	25.7		ug/l	25.0		103	80-120		

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 Attention: Sharon Wallin

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
 Received: 01/23/04

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD	Data Qualifiers
<u>Batch: 4A24036 Extracted: 01/24/04</u>									
Blank Analyzed: 01/25/04 (4A24036-BLK1)									
Cadmium	ND	0.0050	mg/l						
Chromium	ND	0.0050	mg/l						
Copper	ND	0.010	mg/l						
LCS Analyzed: 01/25/04 (4A24036-BS1)									
Cadmium	0.960	0.0050	mg/l	1.00		96	80-120		
Chromium	0.955	0.0050	mg/l	1.00		96	80-120		
Copper	0.950	0.010	mg/l	1.00		95	80-120		
Matrix Spike Analyzed: 01/25/04 (4A24036-MS1)									
Cadmium	0.958	0.0050	mg/l	1.00	0.0013	96	75-125		
Chromium	0.966	0.0050	mg/l	1.00	ND	97	75-125		
Copper	0.923	0.010	mg/l	1.00	0.0043	92	75-125		
Matrix Spike Dup Analyzed: 01/25/04 (4A24036-MSD1)									
Cadmium	0.936	0.0050	mg/l	1.00	0.0013	93	75-125	2	20
Chromium	0.946	0.0050	mg/l	1.00	ND	95	75-125	2	20
Copper	0.903	0.010	mg/l	1.00	0.0043	90	75-125	2	20

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Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit	Data Qualifiers
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Batch: 4A23062 Extracted: 01/23/04

Duplicate Analyzed: 01/23/04 (4A23062-DUP1)

pH	7.00	NA	pH Units	7.02	0	5
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Batch: 4A23075 Extracted: 01/23/04

Blank Analyzed: 01/23/04 (4A23075-BLK1)

Chromium VI	ND	0.0010	mg/l
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LCS Analyzed: 01/23/04 (4A23075-BS1)

Chromium VI	0.0498	0.0010	mg/l	0.0500	100	90-110
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Matrix Spike Analyzed: 01/23/04 (4A23075-MS1)

Chromium VI	0.0220	0.0010	mg/l	0.0500	ND	44	80-115	M2
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Matrix Spike Dup Analyzed: 01/23/04 (4A23075-MSD1)

Chromium VI	0.0213	0.0010	mg/l	0.0500	ND	43	80-115	3	15	M2
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Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- M-3** Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- R-3** The RPD exceeded the method control limit due to sample matrix effects.
- RL-1** Reporting limit raised due to sample matrix effects.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Project ID: PTI-PhibroTech-2279, Jan 2004

Report Number: INA1203

Sampled: 01/23/04
Received: 01/23/04

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 150.1	Water	X	X
EPA 6010B-Diss	Water	X	X
EPA 7199	Water	X	X
EPA 8260B	Water	X	X

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Patty Mata
Project Manager



The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. **INA1203 <Page 54 of 54>**

Appendix D

Completed COC Forms

CDM



CHAIN OF CUSTODY FORM

2652 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1226
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
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 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Client Name/Address: CDM 18581 Teller Ave Ste 200 Irvine CA 92612		P.O. #: 1279-	Project: Phibro Tech Jan 2004 Samp GW		ANALYSIS REQUIRED		INA 1058	
					VOC's	C _x , C _y , C _z Pb, Cd, Cu, Cr Hg, As, Sb, Hg, Cd, Cu, Cr, Hg, As, Sb		
Project Manager/Phone Number: S. Wallin		Phone Number: 949 752 5452						
Sampler: R. Douglas		Fax Number: 949 752 1307						
Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation			Special Instructions
PTI-TB01-060	W	VQA	2	1-21-04	HCl	X		
PTI-MW01D-060	W	VQA	3	11:05	HCl	X		
		500ML poly	1		HNO ₃	X		
			1		—	X		
PTI-MW01S-060		VQA	3	1220	HCl	X		
		500ML poly	1		HNO ₃	X		
			1		—	X		
PTI-EBO-060		VQA	3	1335	HCl	X		
		500ML poly	1		HNO ₃	X		
			1		—	X		
PTI-MW03-060		VQA	3	1420	HCl	X		
		500ML poly	1		HNO ₃	X		
			1		—	X		
Relinquished By <i>John Dab</i>	Date/Time: 1/24/04 16:45	Received By	Date/Time:			Turnaround Time: (check) Same Day <input checked="" type="checkbox"/> 72 Hours <input type="checkbox"/>		
Relinquished By	Date/Time:	Received By	Date/Time:			24 Hours <input type="checkbox"/> 5 days <input checked="" type="checkbox"/>		
Relinquished By	Date/Time:	Received By	Date/Time:			48 hours <input type="checkbox"/> normal <input checked="" type="checkbox"/>		
						Sample Integrity: (Check) Intact <input checked="" type="checkbox"/> On Ice: 4° <i>4°</i>		



CHAIN OF CUSTODY FORM

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Client Name/Address: PTI CDM 18581 Teiter Ste 200 Irvine CA 92612		P.O. #: PTI 2279 Project: PTI Jan 2004		ANALYSIS REQUIRED		INA115	
Project Manager/Phone Number: S. Wallin		Phone Number: 949 752 5452		82698	Crude oil	HCl	HNO ₃
Sampler: R. Douglas		Fax Number: 949 752 1307		C (N)	C (V)	P	P
Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	Special Instructions	
PTI-MW15D-060	w	VOA	3	1/21/04 0810	HCl	X	
↓	500ML poly	↓	1	↓	HNO ₃	X	
PTI-TBC02-C60	VOA	VOA	2	1/21/04 —	HCl	X	
PTI- FDI -C60	VOA	VOA	3	0745	HCl	X	
↓	500ML poly	↓	1	↓	HNO ₃	X	
PTI-MW15S-060	VOA	VOA	3	0900	HCl	X	
↓	500ML poly	↓	1	↓	HNO ₃	X	
PTI-MW06D-060	VOA	VOA	3	1025	HCl	X	
↓	500ML poly	↓	1	↓	HNO ₃	X	
Relinquished By <i>R. Douglas</i>		Date/Time: 1-22-04 1555		Received By		Turnaround Time: (check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/>	
Relinquished By		Date/Time:		Received By		24 Hours <input type="checkbox"/> 5 days <input type="checkbox"/>	
Relinquished By		Date/Time:		Received By		48 hours <input type="checkbox"/> normal <input checked="" type="checkbox"/> Sample Integrity: (Check) Intact <input checked="" type="checkbox"/> On Ice: <i>4°C</i>	



CHAIN OF CUSTODY FORM

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 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Client Name/Address: CDM See p 1		P.O. #:	ANALYSIS REQUIRED													
		Project: Page 2 of 2														
Project Manager/Phone Number:		Phone Number:														
Sampler:		Fax Number:														
Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation										Special Instructions	
PT1-MW06B-060	w	VOA	3	1115	HCl	X										
		SDMC poly	1		HNO ₃	X										
		poly	1	↓	—	X										
PT1-MW07-060		VOA	3	1210	HCl	X										
		SDMC poly	1	↓	HNO ₃	X										
		poly	1	↓	—	X										
PT1-MW14S-060		Voa	3	1355	HCl	X										
		SDMC poly	1	↓	HNO ₃	X										
		poly	1	↓	—	X										
PT1-EB02-060		Voa	3	1405	HCl	X										
		SDMC poly	1	↓	HNO ₃	X										
		poly	1	↓	—	X										
PT1-MW04A-060		Voa	3	1445	HCl	X										
		SDMC poly	1	↓	HNO ₃	X										
		poly	1	↓	—	X										
Relinquished By null DMR	Date/Time: 12-22-04 1555		Received By		Date/Time:		Turnaround Time: (check)									
							Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/>									
Relinquished By	Date/Time:		Received By		Date/Time:		24 Hours <input type="checkbox"/> 5 days <input type="checkbox"/>									
							48 hours <input type="checkbox"/> normal <input checked="" type="checkbox"/>									
Relinquished By	Date/Time:		Received By 		Date/Time: 12/22/04 15:55		Sample Integrity: (Check) Intact <input checked="" type="checkbox"/> On Ice: <input checked="" type="checkbox"/> HC									



Del Mar Analytical

CHAIN OF CUSTODY FORM

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 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Page 1 of 2

Client Name/Address: CDM 18581 Teller Ste 200 Irvine CA 92612		P.O. #: PTI Jan 2004 Project: 2279	ANALYSIS REQUIRED						
Project Manager/Phone Number: S Wallin		Phone Number: 949 752 5452	SP2603	C1	C2	C3	C4	C5	
Sampler: R Douglas		Fax Number: 949 752 1307							
Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	Special Instructions			
PTI-TB03-060	W	VOA	2	1-23-04	HCl	X			
PTI-MW35-060		VOA	3	0715	HCl	X			
		500ml poly	1		HNO ₃	X			
PTI-MW36-060		VOA	3	0745	HCl	X			
		500ml poly	1		HNO ₃	X			
PTI-MW16-060		VOA	3	0830	HCl	X			
		500ml poly	1		HNO ₃	X			
PTI-MW37-060		VOA	3	0900	HCl	X			
		500ml poly	1		HNO ₃	X			
Relinquished By: null D. B.		Date/Time: 1-23-04 11:25	Received By: J. K. Meridian		Date/Time: 1-23-04 11:25		Turnaround Time: (check)		
Relinquished By:		Date/Time:	Received By:		Date/Time:		Same Day _____ 72 Hours _____		
Relinquished By:		Date/Time:	Received By:		Date/Time:		24 Hours _____ 5 days _____		
Relinquished By:		Date/Time:	Received By:		Date/Time:		48 hours _____ normal _____		
Relinquished By:		Date/Time:	Received By:		Date/Time:		Sample Integrity: (Check) Intact <input checked="" type="checkbox"/> On Ice: 3°		



Del Mar Analytical

CHAIN OF CUSTODY FORM

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 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Client Name/Address: CDM		P.O. #: See page 1	ANALYSIS REQUIRED					Page 2 of 2
Project Manager/Phone Number:		Phone Number:						
Sampler:		Fax Number:						
Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation			Special Instructions
PTI-MW09-060	w	VGA	3	1-23-04 0920	HCl	X		
		500mL poly	1	↓	HNO ₃	X		
PTI-MWII-060		VGA	3	1010	HCl	X		
		500mL poly	1	↓	HNO ₃	X		
			1	↓	-	X		
Relinquished By <i>MW Dels</i>	Date/Time: 1-23-04 11:25	Received By <i>Bob Miridian</i>	Date/Time: 1-23-04 11:25	Turnaround Time: (check) Same Day _____ 72 Hours _____				
Relinquished By	Date/Time:	Received By	Date/Time:	24 Hours _____ 5 days _____				
Relinquished By	Date/Time:	Received By	Date/Time:	48 hours _____ normal Sample Integrity: (Check)				X
							Intact X	On Ice: 3°

Appendix E

Background Groundwater Concentrations

CDM

CITY OF SANTA FE SPRINGS

2001 ANNUAL WATER QUALITY REPORT

Results are from the most recent testing performed in accordance with state and federal drinking water regulations

PRIMARY STANDARDS MONITORED AT THE SOURCE-MANDATED FOR PUBLIC HEALTH

	GROUNDWATER		SURFACE WATER		PRIMARY MCL	MCLG or PHG	MAJOR SOURCES IN DRINKING WATER
	AVERAGE	RANGE	AVERAGE	RANGE			
ORGANIC CHEMICALS (µg/l)							
Toluene	ND	ND	ND	ND-4.0	150	150	Discharge from petroleum and chemical refineries

INORGANICS Sampled from 1999 to 2001(d)							
Aluminum (mg/l)	ND	ND	0.14	ND-0.24	1	0.6 (c)	Erosion of natural deposits, surface water treatment process residue
Arsenic (µg/l)	5.5 (h)	ND-11	ND	ND-2.4	50	-	Erosion of natural deposits, glass and electronics production wastes
Fluoride (mg/l)	0.30	0.27-0.33	0.22	0.18-0.27	2	1 (c)	Erosion of natural deposits, water additive that promotes strong teeth
Nitrate (mg/l as N)	0.88	ND-1.75	ND	ND-0.59	10	10 (c)	Leaking from septic tanks and sewage; erosion of natural deposits

RADIOLOGICAL - pCi/l Analyzed 4 consecutive quarters every 4 years (results are from 1998 to 2001) (d)							
Gross Alpha (f)	2.4	ND-6.3	4.1	1.2-6.3	15 (g)	-	Erosion of natural deposits
Gross Beta	NA	NA	5.4	ND-7.8	50 (g)	-	Decay of natural and man-made deposits
Combined Radium 226/228	NA	NA	ND	ND-1.5	5	-	Erosion of natural deposits
Uranium	4.8	4.0-6.5	2.9	ND-4.0	20 (g)	0.5 (c)	Erosion of natural deposits

MONITORED IN THE DISTRIBUTION SYSTEM

	GROUNDWATER		SURFACE WATER		PRIMARY MCL	MCLG or PHG	
	AVERAGE	RANGE	%<0.5	MAXIMUM			
Turbidity (ntu)	0.1	0.1-0.5	100%	0.2	TT	-	Soil runoff

	GROUNDWATER		SURFACE WATER		PRIMARY MCL	MCLG or PHG	
	AVERAGE	RANGE	AVERAGE	RANGE			
Total Coliform Bacteria % Positive	0%	0%	0.06%	0-0.46%	5%	0%	Naturally present in the environment
Fecal Coliform Bacteria % Positive	0%	0%	0%	0%	0%	0%	Human and animal fecal waste
No. of Acute Violations	0	0	0	0			
Trihalomethanes-TTHMS (µg/l) (e)	39	ND-83	54	36-69	100	0	By-product of drinking water chlorination

	GROUNDWATER		SURFACE WATER		SECONDARY MCL	MCLG or PHG	
	AVERAGE	RANGE	AVERAGE	RANGE			
Color (color units)	<3	<3	1	1-2	15	-	Naturally-occurring organic materials
Odor (threshold odor number)	1	1-2	(e)	(e)	3	-	Naturally-occurring organic materials

AT THE TAP	GROUNDWATER		SURFACE WATER		PRIMARY MCL	MCLG or PHG	
	90%ile	#SITES ABOVE AL	90%ile	#SITES ABOVE AL			
Copper (mg/l)	0.16 (b)	0	ND	0	1.3 AL	0.17 (c)	Corrosion of household plumbing
Lead (µg/l)	ND (b)	0	ND	0	15 AL	2 (c)	Corrosion of household plumbing

SECONDARY STANDARDS MONITORED AT THE SOURCE-FOR AESTHETIC PURPOSES

	GROUNDWATER		SURFACE WATER		SECONDARY MCL or PHG	MCLG
	AVERAGE	RANGE	AVERAGE	RANGE		
Chloride (mg/l)	50	34-66	79	72-83	500	-
Conductivity (umhos/cm)	655	470-840	832	779-884	1600	-
Sulfate (mg/l)	112	54-170	176	155-194	500	-
Total Dissolved Solids (mg/l)	399	262-535	499	464-530	1000	-
Manganese (µg/l)	ND	ND-26	ND	ND	50	-

ADDITIONAL CHEMICALS OF INTEREST

	GROUNDWATER		SURFACE WATER		
	AVERAGE	RANGE	AVERAGE	RANGE	
pH (std unit)	7.8	7.8-8.0	8.1	8.0-8.1	
Total Hardness (mg/l)	221	105-337	236	218-255	
Calcium (mg/l)	67	34-99	58	51-61	
Magnesium (mg/l)	13	4-22	24	21-25	
Sodium (mg/l)	60	53-67	79	74-83	
Potassium (mg/l)	2.9	2.2-3.6	3.9	3.5-4.2	
Perchlorate (µg/l)	ND	ND	4	ND-5	
Halocetic Acids (µg/l)	NA	NA	19	9.5-24	
Halogenoacetones (µg/l)	NA	NA	7.7	4.8-13	
Chloropropionic (µg/l)	NA	NA	ND	ND	
Haloketones (µg/l)	NA	NA	1.6	0.7-3.2	
Chloral hydrate (µg/l)	NA	NA	4.0	1.5-6.8	
Total Organic Halogens (TOX) (µg/l)	NA	NA	115	72-174	
Cyanogen chloride (µg/l)	NA	NA	1.8	ND-3.1	
Radon (pCi/l)	268	189-371	ND	ND	
Hexavalent chromium (µg/l)	2.7	2.7	ND	ND	
Total chromium screen (µg/l)	1.6	ND-3.2	NA	NA	
Boron (µg/l)	77	ND-120	130	120-130	
Vanadium (µg/l)	3.5	ND-5.4	4.0	3-4	

DEFINITIONS

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste and appearance of drinking water.
Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency.
Public Health Goal or PHG: The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.
Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.
Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Primary Drinking Water Standard or PDWS: MCLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Special note on Radon: Radon is a radioactive gas that you cannot taste, see or smell, and is a known human carcinogen. It is found throughout the country. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can build to high levels in all types of homes. Radon can also get into indoor air when released from tap water from showering and other household activities. Radon entering the home through tap water is a small source compared to radon entering the home through soil. If you are concerned about radon in your home, an easy and inexpensive test can show you how much radon is in your home's indoor air. There are simple and inexpensive ways to fix your home if the level of radon in air is 4 picoCuries per liter (pCi/L) of air or higher. For additional information, call your State radon program or call EPA's Radon Hotline (800-SOS-RADON).

FOOTNOTES

- (a) Average and range calculated by running average.
- (b) 80th percentile from the most recent sampling at selected customer taps.
- (c) California Public Health Goal (PHG). Other advisory levels listed in this column are federal Maximum Contaminant Level Goals (MCLGs).
- (d) Indicates dates sampled for groundwater sources only.
- (e) Metropolitan Water District (MWD) of Southern California uses a flavor-profile test that more accurately detects odors. For more information, contact MWD at (213) 217-8850.
- (f) Gross alpha standard also includes Radium-226 standard.
- (g) MCL compliance based on 4 consecutive quarters of sampling. MCL standard is for combined Radium 226 plus 228.
- (h) While your drinking water meets the current standard for arsenic, it does contain low levels of arsenic. The standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The California Department of Health Services continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

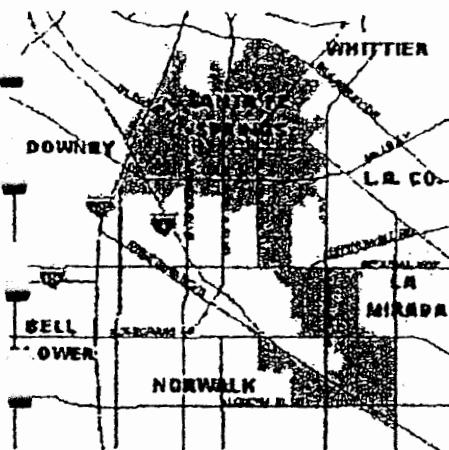
ABBREVIATIONS

mg/l = milligrams per liter or parts per million (equivalent to 3 drops in 42 gallons)
µg/l = micrograms per liter or parts per billion (equivalent to 1 drop in 42,000 gallons)
< = less than
umhos/cm = micromhos per centimeter
ND = constituent not detected at the reporting limit
NA = constituent not analyzed
pCi/L = picoCuries per liter

CITY OF SANTA FE SPRINGS 2001 ANNUAL WATER QUALITY REPORT

Since 1991, California water utilities have been providing information on water served to its consumers. This report is a snapshot of the tap water quality that we provided last year. Included are details about where your water comes from, how it is tested, what is in it, and how it compares with state and federal limits. Although a lot of the information in this report is detailed and technical, we have made every effort to keep it readable. We strive to keep you informed about the quality of your water, and to provide a reliable and economic supply that meets all requirements. We are happy to report that your tap water meets or surpasses all water quality standards for 2001.

Where Does My Tap Water Come From?



Your tap water comes from 2 sources: groundwater and surface water. We pump groundwater from local, deep wells. We also use Metropolitan Water District of Southern California's surface water from both the Colorado River and the State Water Project in northern California. These water sources supply our service area shown on the adjacent map. The quality of our groundwater and Metropolitan Water District's surface water supplies is presented in this report.

How is My Drinking Water Tested?

Your drinking water is tested regularly for unsafe levels of chemicals, radioactivity and bacteria at the source and in the distribution system. We test weekly, monthly, quarterly, annually or less often depending on the substance. State and federal laws allow us to test some substances less than once per year because their levels do not change frequently. All water quality tests are conducted by specially trained technicians in state-certified laboratories.

What Are Drinking Water Standards?

The federal Environmental Protection Agency (EPA) limits the amount of certain substances in tap water. In California, the Department of Health Services (DHS) regulates tap water quality by enforcing limits that are at least as stringent as the Federal EPA's. Historically, California limits are more stringent than the Federal counterparts.

There are two types of limits, known as standards. Primary standards protect you from substances that could potentially affect your health. Secondary standards regulate substances that affect the aesthetic qualities of water. Regulations set a Maximum Contaminant Level (MCL) for each of the primary and secondary standards. The MCL is the highest level of a substance that is allowed in drinking water. Water suppliers must not exceed MCLs to ensure water quality.

Public Health Goals (PHGs) are set by the California Environmental Protection Agency. PHGs provide more information on the quality of drinking water to customers, and are similar to their federal counterparts, Maximum Contaminant Level Goals (MCLGs). MCLs and MCLGs are levels that are of an advisory nature only and nonenforceable. Both PHGs and MCLGs are concentrations of a substance at which there are no known or expected health risks.

How Do I Read the Water Quality Table?

Though we test for over 100 substances, regulations require us to report only those found in your water. The first column of the water quality table lists substances detected in your water. The next columns list the average concentration and range of concentrations found in your drinking water. Following are columns that list the MCL and PHG or MCLG, if appropriate. The last column describes the likely sources of substances in drinking water.

To view the quality of your drinking water, compare the highest concentration and the MCL. Check for substances greater than the MCL. Exceedence of a primary MCL does not usually constitute an immediate health threat. Rather, it requires testing the source water more frequently for a short duration. If test results show that the water continues to exceed the MCL, the water must be treated to remove the substance, or the source must be removed from service.

Why Do I See So Much Coverage in the News About the Quality Of Tap Water?

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. As water travels over the surface of the land or through the ground, it can pick up substances resulting from the presence of animals or from human activity. The presence of contaminants does not necessarily indicate that water poses a health risk. Information about contaminants and potential health effects can be obtained by calling the federal EPA's Safe Drinking Water Hotline (800-426-4791). You can get more information on tap water by logging on to these helpful web sites:

www.epa.gov/OGWDW (Federal EPA's web site)
www.dhs.ca.gov/ps/ddwem (California DHS website)

What Does the EPA Say About Drinking Water Quality?

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, including viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife;
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming;
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems;
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA and the California Department of Health Services (DHS) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. DHS regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

Should I Take Additional Precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The EPA/Centers for Disease Control guidelines on appropriate means to lessen the risk of infection of *Cryptosporidium* and other microbial contaminants are available from the local EPA's Safe Drinking Water Hotline (800-426-4791).

Can I Participate in Decisions On Water Issues That Affect Me?

The public is welcome to attend City Council meetings on the second and fourth Thursday of each month at 7 p.m.

Do I Contact My Water Agency If I Have Any Questions About Water Quality?

If you have specific questions about your tap water quality, please contact Ron Hughes at (562) 868-0511.

Can I Conserve Water At Home?

- Install a Low-flow Showerhead - save over 5 gallons of water per shower, or about 1,800 gallons per year per person!
- Install a low-flow toilet or water displacement device in your toilet - save 3.5 to 4.5 gallons on every flush!
- Run only full loads in your dishwasher/washing machine - save 300 - 800 gallons of water every month!
- Sweep your sidewalks and driveway - save 150 gallons each time by sweeping instead of hosing!
- Water the lawn only when it needs it - save 30-50 gallons per day!

Appendix F

Statistical Analysis

CDM

Appendix F-1

Statistical Tables

CDM

Table 1
Background Data

Constituent	Units	Location	Date	Result
Benzene	ug/l	MW-1S	07/01/1994	ND 0.5000
Benzene	ug/l	MW-1S	10/01/1994	ND 0.5000
Benzene	ug/l	MW-1S	01/01/1995	ND 0.5000
Benzene	ug/l	MW-1S	04/01/1995	ND 0.5000
Benzene	ug/l	MW-1S	01/01/1996	ND 0.5000
Benzene	ug/l	MW-1S	04/01/1996	ND 0.5000
Benzene	ug/l	MW-1S	07/01/1996	ND 0.5000
Benzene	ug/l	MW-1S	10/01/1996	ND 0.5000
Benzene	ug/l	MW-1S	01/01/1997	ND 0.5000
Benzene	ug/l	MW-1S	04/01/1997	ND 0.5000
Benzene	ug/l	MW-1S	07/01/1997	ND 0.5000
Benzene	ug/l	MW-1S	10/01/1997	ND 0.5000
Benzene	ug/l	MW-1S	01/01/1998	ND 0.5000
Benzene	ug/l	MW-1S	04/01/1998	ND 0.5000
Benzene	ug/l	MW-1S	07/01/1998	ND 0.5000
Benzene	ug/l	MW-1S	10/01/1998	ND 0.5000
Benzene	ug/l	MW-1S	01/01/1999	ND 0.5000
Benzene	ug/l	MW-1S	04/01/1999	ND 1.0000
Benzene	ug/l	MW-1S	07/01/1999	ND 1.0000
Benzene	ug/l	MW-1S	10/01/1999	ND 1.0000
Benzene	ug/l	MW-1S	01/01/2000	ND 1.0000
Benzene	ug/l	MW-1S	04/01/2000	ND 1.0000
Benzene	ug/l	MW-1S	10/01/2000	ND 1.0000
Benzene	ug/l	MW-1S	04/01/2001	ND 1.0000
Benzene	ug/l	MW-1S	07/01/2001	ND 1.0000
Benzene	ug/l	MW-1S	10/01/2001	ND 1.0000
Benzene	ug/l	MW-1S	01/01/2002	ND 1.0000
Benzene	ug/l	MW-1S	04/01/2002	ND 1.0000
Benzene	ug/l	MW-1S	07/01/2002	ND 1.0000
Benzene	ug/l	MW-1S	10/22/2002	ND 1.0000
Benzene	ug/l	MW-1S	01/08/2003	ND 0.5000
Benzene	ug/l	MW-1S	04/23/2003	ND 0.5000
Benzene	ug/l	MW-1S	07/29/2003	ND 0.5000
Benzene	ug/l	MW-1S	01/21/2004	ND 0.5000
Cadmium	mg/L	MW-1S	07/01/1994	ND 0.0050
Cadmium	mg/L	MW-1S	10/01/1994	ND 0.0050
Cadmium	mg/L	MW-1S	01/01/1995	ND 0.0050
Cadmium	mg/L	MW-1S	04/01/1995	ND 0.0010
Cadmium	mg/L	MW-1S	01/01/1996	ND 0.0050
Cadmium	mg/L	MW-1S	04/01/1996	ND 0.0050
Cadmium	mg/L	MW-1S	07/01/1996	ND 0.0050
Cadmium	mg/L	MW-1S	10/01/1996	ND 0.0050
Cadmium	mg/L	MW-1S	01/01/1997	ND 0.0050
Cadmium	mg/L	MW-1S	04/01/1997	ND 0.0050
Cadmium	mg/L	MW-1S	07/01/1997	ND 0.0050
Cadmium	mg/L	MW-1S	10/01/1997	ND 0.0050
Cadmium	mg/L	MW-1S	01/01/1998	ND 0.0050
Cadmium	mg/L	MW-1S	04/01/1998	ND 0.0050
Cadmium	mg/L	MW-1S	07/01/1998	ND 0.0050
Cadmium	mg/L	MW-1S	10/01/1998	ND 0.0050
Cadmium	mg/L	MW-1S	01/01/1999	ND 0.0050
Cadmium	mg/L	MW-1S	04/01/1999	ND 0.0050
Cadmium	mg/L	MW-1S	07/01/1999	ND 0.0050
Cadmium	mg/L	MW-1S	10/01/1999	ND 0.0050
Cadmium	mg/L	MW-1S	01/01/2000	ND 0.0050

* - Outlier for that location and constituent.

ND = Not detected, result = detection limit.

Table 1
Background Data

Constituent	Units	Location	Date		Result
Cadmium	mg/L	MW-1S	04/01/2000	ND	0.0050
Cadmium	mg/L	MW-1S	10/01/2000	ND	0.0050
Cadmium	mg/L	MW-1S	04/01/2001	ND	0.0050
Cadmium	mg/L	MW-1S	07/01/2001	ND	0.0050
Cadmium	mg/L	MW-1S	10/01/2001	ND	0.0050
Cadmium	mg/L	MW-1S	01/01/2002	ND	0.0050
Cadmium	mg/L	MW-1S	04/01/2002	ND	0.0050
Cadmium	mg/L	MW-1S	07/01/2002	ND	0.0050
Cadmium	mg/L	MW-1S	10/22/2002	ND	0.0050
Cadmium	mg/L	MW-1S	01/08/2003	ND	0.0050
Cadmium	mg/L	MW-1S	04/23/2003		0.0100
Cadmium	mg/L	MW-1S	07/29/2003		0.0100
Cadmium	mg/L	MW-1S	01/21/2004	ND	0.0050
Chromium	mg/L	MW-1S	07/01/1994	ND	0.0100
Chromium	mg/L	MW-1S	10/01/1994	ND	0.0100
Chromium	mg/L	MW-1S	01/01/1995	ND	0.0100
Chromium	mg/L	MW-1S	04/01/1995	ND	0.0100
Chromium	mg/L	MW-1S	01/01/1996	ND	0.0100
Chromium	mg/L	MW-1S	04/01/1996	ND	0.0100
Chromium	mg/L	MW-1S	07/01/1996	ND	0.0100
Chromium	mg/L	MW-1S	10/01/1996	ND	0.0100
Chromium	mg/L	MW-1S	01/01/1997	ND	0.0100
Chromium	mg/L	MW-1S	04/01/1997	ND	0.0100
Chromium	mg/L	MW-1S	07/01/1997	ND	0.0100
Chromium	mg/L	MW-1S	10/01/1997	ND	0.0100
Chromium	mg/L	MW-1S	01/01/1998	ND	0.0100
Chromium	mg/L	MW-1S	04/01/1998	ND	0.0100
Chromium	mg/L	MW-1S	07/01/1998	ND	0.0100
Chromium	mg/L	MW-1S	10/01/1998	ND	0.0100
Chromium	mg/L	MW-1S	01/01/1999	ND	0.0100
Chromium	mg/L	MW-1S	04/01/1999	ND	0.0100
Chromium	mg/L	MW-1S	07/01/1999	ND	0.0100
Chromium	mg/L	MW-1S	10/01/1999	ND	0.0100
Chromium	mg/L	MW-1S	01/01/2000	ND	0.0100
Chromium	mg/L	MW-1S	04/01/2000	ND	0.0100
Chromium	mg/L	MW-1S	10/01/2000	ND	0.0100
Chromium	mg/L	MW-1S	04/01/2001	ND	0.0100
Chromium	mg/L	MW-1S	07/01/2001	ND	0.0100
Chromium	mg/L	MW-1S	10/01/2001	ND	0.0100
Chromium	mg/L	MW-1S	01/01/2002	ND	0.0100
Chromium	mg/L	MW-1S	04/01/2002	ND	0.0100
Chromium	mg/L	MW-1S	07/01/2002	ND	0.0100
Chromium	mg/L	MW-1S	10/22/2002	ND	0.0100
Chromium	mg/L	MW-1S	04/23/2003		0.0100
Chromium	mg/L	MW-1S	07/29/2003		0.0100
Chromium	mg/L	MW-1S	01/21/2004	ND	0.0050
Chromium (vi)	mg/L	MW-1S	07/01/1994	ND	0.0200
Chromium (vi)	mg/L	MW-1S	10/01/1994	ND	0.0200
Chromium (vi)	mg/L	MW-1S	01/01/1995	ND	0.0200
Chromium (vi)	mg/L	MW-1S	04/01/1995	ND	0.0200
Chromium (vi)	mg/L	MW-1S	01/01/1996	ND	0.0200
Chromium (vi)	mg/L	MW-1S	04/01/1996	ND	0.0200
Chromium (vi)	mg/L	MW-1S	07/01/1996	ND	0.0100
Chromium (vi)	mg/L	MW-1S	10/01/1996	ND	0.0100
Chromium (vi)	mg/L	MW-1S	01/01/1997	ND	0.0200

* - Outlier for that location and constituent.

ND = Not detected, result = detection limit.

Table 1

Background Data

Constituent	Units	Location	Date		Result
Chromium (vi)	mg/L	MW-1S	04/01/1997	ND	0.0200
Chromium (vi)	mg/L	MW-1S	07/01/1997	ND	0.0200
Chromium (vi)	mg/L	MW-1S	10/01/1997	ND	0.0200
Chromium (vi)	mg/L	MW-1S	01/01/1998	ND	0.0200
Chromium (vi)	mg/L	MW-1S	04/01/1998	ND	0.0200
Chromium (vi)	mg/L	MW-1S	07/01/1998	ND	0.0200
Chromium (vi)	mg/L	MW-1S	10/01/1998	ND	0.0200
Chromium (vi)	mg/L	MW-1S	01/01/1999	ND	0.0200
Chromium (vi)	mg/L	MW-1S	04/01/1999	ND	0.0200
Chromium (vi)	mg/L	MW-1S	07/01/1999	ND	0.0200
Chromium (vi)	mg/L	MW-1S	10/01/1999	ND	0.0100
Chromium (vi)	mg/L	MW-1S	01/01/2000	ND	0.0200
Chromium (vi)	mg/L	MW-1S	04/01/2000	ND	0.0100
Chromium (vi)	mg/L	MW-1S	10/01/2000	ND	0.0200
Chromium (vi)	mg/L	MW-1S	04/01/2001	ND	0.0020
Chromium (vi)	mg/L	MW-1S	07/01/2001	ND	0.0020
Chromium (vi)	mg/L	MW-1S	10/01/2001		0.0062
Chromium (vi)	mg/L	MW-1S	01/01/2002	ND	0.0200
Chromium (vi)	mg/L	MW-1S	04/01/2002	ND	0.0020
Chromium (vi)	mg/L	MW-1S	07/01/2002		0.0018
Chromium (vi)	mg/L	MW-1S	10/22/2002	ND	0.0010
Chromium (vi)	mg/L	MW-1S	01/08/2003	ND	0.0010
Chromium (vi)	mg/L	MW-1S	04/23/2003	ND	0.0010
Chromium (vi)	mg/L	MW-1S	07/29/2003	ND	0.0010
Chromium (vi)	mg/L	MW-1S	01/21/2004	ND	0.0010
Copper	mg/L	MW-1S	07/01/1994	ND	0.0200
Copper	mg/L	MW-1S	10/01/1994	ND	0.0200
Copper	mg/L	MW-1S	01/01/1995	ND	0.0200
Copper	mg/L	MW-1S	04/01/1995	ND	0.0200
Copper	mg/L	MW-1S	01/01/1996	ND	0.0200
Copper	mg/L	MW-1S	04/01/1996	ND	0.0200
Copper	mg/L	MW-1S	07/01/1996	ND	0.0200
Copper	mg/L	MW-1S	10/01/1996	ND	0.0200
Copper	mg/L	MW-1S	01/01/1997		0.0200
Copper	mg/L	MW-1S	04/01/1997	ND	0.0200
Copper	mg/L	MW-1S	07/01/1997	ND	0.0200
Copper	mg/L	MW-1S	10/01/1997		0.0200
Copper	mg/L	MW-1S	01/01/1998	ND	0.0200
Copper	mg/L	MW-1S	04/01/1998		0.0200
Copper	mg/L	MW-1S	07/01/1998	ND	0.0200
Copper	mg/L	MW-1S	10/01/1998	ND	0.0200
Copper	mg/L	MW-1S	01/01/1999	ND	0.0200
Copper	mg/L	MW-1S	04/01/1999	ND	0.0200
Copper	mg/L	MW-1S	07/01/1999		0.0500
Copper	mg/L	MW-1S	10/01/1999	ND	0.0200
Copper	mg/L	MW-1S	01/01/2000	ND	0.0200
Copper	mg/L	MW-1S	04/01/2000	ND	0.0200
Copper	mg/L	MW-1S	10/01/2000	ND	0.0200
Copper	mg/L	MW-1S	04/01/2001	ND	0.0200
Copper	mg/L	MW-1S	07/01/2001	ND	0.0200
Copper	mg/L	MW-1S	10/01/2001	ND	0.0200
Copper	mg/L	MW-1S	01/01/2002	ND	0.0200
Copper	mg/L	MW-1S	04/01/2002	ND	0.0200
Copper	mg/L	MW-1S	07/01/2002	ND	0.0200
Copper	mg/L	MW-1S	10/22/2002	ND	0.0200

* - Outlier for that location and constituent.

ND = Not detected, result = detection limit.

Table 1
Background Data

Constituent	Units	Location	Date		Result	
Copper	mg/L	MW-1S	01/08/2003	ND	0.0100	
Copper	mg/L	MW-1S	04/23/2003		0.0200	
Copper	mg/L	MW-1S	07/29/2003		0.0300	
Copper	mg/L	MW-1S	01/21/2004	ND	0.0100	
Ethylbenzene	ug/l	MW-1S	07/01/1994	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/01/1994	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/01/1995	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/1995		1.3000	
Ethylbenzene	ug/l	MW-1S	01/01/1996		1.7000	
Ethylbenzene	ug/l	MW-1S	04/01/1996		3.4000	
Ethylbenzene	ug/l	MW-1S	07/01/1996		2.2000	
Ethylbenzene	ug/l	MW-1S	10/01/1996		2.1000	
Ethylbenzene	ug/l	MW-1S	01/01/1997	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/1997		1.4000	
Ethylbenzene	ug/l	MW-1S	07/01/1997	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/01/1997	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/01/1998	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/1998	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	07/01/1998	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/01/1998	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/01/1999		2.0000	
Ethylbenzene	ug/l	MW-1S	04/01/1999	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	07/01/1999	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/01/1999	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/01/2000	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/2000	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/01/2000	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/2001	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	07/01/2001	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/01/2001	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/01/2002	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/2002	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	07/01/2002	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/22/2002	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/08/2003	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/23/2003	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	07/29/2003	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/21/2004	ND	1.0000	
M,p-xylene	ug/l	MW-1S	10/22/2002	ND	1.0000	
M,p-xylene	ug/l	MW-1S	01/08/2003	ND	1.0000	
M,p-xylene	ug/l	MW-1S	04/23/2003	ND	1.0000	
M,p-xylene	ug/l	MW-1S	07/29/2003	ND	1.0000	
M,p-xylene	ug/l	MW-1S	01/21/2004	ND	1.0000	
O-xylene	ug/l	MW-1S	10/22/2002	ND	1.0000	
O-xylene	ug/l	MW-1S	01/08/2003	ND	1.0000	
O-xylene	ug/l	MW-1S	04/23/2003	ND	1.0000	
O-xylene	ug/l	MW-1S	07/29/2003	ND	1.0000	
O-xylene	ug/l	MW-1S	01/21/2004	ND	1.0000	
Toluene	ug/l	MW-1S	07/01/1994	ND	1.0000	
Toluene	ug/l	MW-1S	01/01/1995	ND	1.0000	
Toluene	ug/l	MW-1S	04/01/1995	ND	1.0000	
Toluene	ug/l	MW-1S	01/01/1996	ND	1.0000	
Toluene	ug/l	MW-1S	04/01/1996	ND	1.0000	
Toluene	ug/l	MW-1S	07/01/1996	ND	1.0000	
Toluene	ug/l	MW-1S	10/01/1996	ND	1.0000	

* - Outlier for that location and constituent.

ND = Not detected, result = detection limit.

Table 1
Background Data

Constituent	Units	Location	Date	Result
Toluene	ug/l	MW-1S	01/01/1997	ND 1.0000
Toluene	ug/l	MW-1S	04/01/1997	ND 1.0000
Toluene	ug/l	MW-1S	07/01/1997	ND 1.0000
Toluene	ug/l	MW-1S	10/01/1997	ND 1.0000
Toluene	ug/l	MW-1S	01/01/1998	ND 1.0000
Toluene	ug/l	MW-1S	04/01/1998	ND 1.0000
Toluene	ug/l	MW-1S	07/01/1998	ND 1.0000
Toluene	ug/l	MW-1S	10/01/1998	ND 1.0000
Toluene	ug/l	MW-1S	01/01/1999	ND 2.0000
Toluene	ug/l	MW-1S	04/01/1999	ND 1.0000
Toluene	ug/l	MW-1S	07/01/1999	ND 1.0000
Toluene	ug/l	MW-1S	10/01/1999	ND 1.0000
Toluene	ug/l	MW-1S	01/01/2000	ND 1.0000
Toluene	ug/l	MW-1S	04/01/2000	ND 1.0000
Toluene	ug/l	MW-1S	10/01/2000	ND 1.0000
Toluene	ug/l	MW-1S	04/01/2001	ND 1.0000
Toluene	ug/l	MW-1S	07/01/2001	ND 1.0000
Toluene	ug/l	MW-1S	10/01/2001	ND 1.0000
Total xylenes	ug/l	MW-1S	07/01/1994	ND 1.0000
Total xylenes	ug/l	MW-1S	10/01/1994	ND 5.8000
Total xylenes	ug/l	MW-1S	01/01/1995	ND 1.0000
Total xylenes	ug/l	MW-1S	04/01/1995	ND 1.0000
Total xylenes	ug/l	MW-1S	01/01/1996	ND 5.1000
Total xylenes	ug/l	MW-1S	04/01/1996	ND 4.9000
Total xylenes	ug/l	MW-1S	07/01/1996	ND 3.7000
Total xylenes	ug/l	MW-1S	10/01/1996	ND 2.8000
Total xylenes	ug/l	MW-1S	01/01/1997	ND 2.0000
Total xylenes	ug/l	MW-1S	04/01/1997	ND 1.2000
Total xylenes	ug/l	MW-1S	07/01/1997	ND 1.0000
Total xylenes	ug/l	MW-1S	10/01/1997	ND 1.0000
Total xylenes	ug/l	MW-1S	01/01/1998	ND 1.0000
Total xylenes	ug/l	MW-1S	04/01/1998	ND 1.0000
Total xylenes	ug/l	MW-1S	07/01/1998	ND 1.0000
Total xylenes	ug/l	MW-1S	10/01/1998	ND 1.0000
Total xylenes	ug/l	MW-1S	01/01/1999	ND 2.0000
Total xylenes	ug/l	MW-1S	04/01/1999	ND 2.0000
Total xylenes	ug/l	MW-1S	07/01/1999	ND 1.0000
Total xylenes	ug/l	MW-1S	10/01/1999	ND 2.0000
Total xylenes	ug/l	MW-1S	01/01/2000	ND 1.0000
Total xylenes	ug/l	MW-1S	04/01/2000	ND 1.0000
Total xylenes	ug/l	MW-1S	10/01/2000	ND 1.0000
Total xylenes	ug/l	MW-1S	04/01/2001	ND 1.0000
Total xylenes	ug/l	MW-1S	07/01/2001	ND 1.0000
Total xylenes	ug/l	MW-1S	10/01/2001	ND 1.0000
Total xylenes	ug/l	MW-1S	01/01/2002	ND 1.0000
Total xylenes	ug/l	MW-1S	04/01/2002	ND 1.0000
Total xylenes	ug/l	MW-1S	07/01/2002	ND 2.0000

* - Outlier for that location and constituent.

ND = Not detected, result = detection limit.

Table 1
Background Data

Constituent	Units	Location	Date	Result
Total xylenes	ug/l	MW-1S	10/22/2002	ND
Total xylenes	ug/l	MW-1S	01/08/2003	ND
Total xylenes	ug/l	MW-1S	04/23/2003	ND
Total xylenes	ug/l	MW-1S	07/29/2003	ND
Total xylenes	ug/l	MW-1S	01/21/2004	ND
Trichloroethene	ug/l	MW-1S	07/01/1994	7.9000
Trichloroethene	ug/l	MW-1S	10/01/1994	13.0000
Trichloroethene	ug/l	MW-1S	01/01/1995	5.2000
Trichloroethene	ug/l	MW-1S	04/01/1995	4.4000
Trichloroethene	ug/l	MW-1S	01/01/1996	8.4000
Trichloroethene	ug/l	MW-1S	04/01/1996	2.9000
Trichloroethene	ug/l	MW-1S	07/01/1996	9.7000
Trichloroethene	ug/l	MW-1S	10/01/1996	16.0000
Trichloroethene	ug/l	MW-1S	01/01/1997	6.0000
Trichloroethene	ug/l	MW-1S	04/01/1997	15.0000
Trichloroethene	ug/l	MW-1S	07/01/1997	14.0000
Trichloroethene	ug/l	MW-1S	10/01/1997	12.0000
Trichloroethene	ug/l	MW-1S	01/01/1998	12.0000
Trichloroethene	ug/l	MW-1S	04/01/1998	14.0000
Trichloroethene	ug/l	MW-1S	07/01/1998	14.0000
Trichloroethene	ug/l	MW-1S	10/01/1998	7.8000
Trichloroethene	ug/l	MW-1S	01/01/1999	10.0000
Trichloroethene	ug/l	MW-1S	04/01/1999	7.2000
Trichloroethene	ug/l	MW-1S	07/01/1999	9.1000
Trichloroethene	ug/l	MW-1S	10/01/1999	9.1000
Trichloroethene	ug/l	MW-1S	01/01/2000	9.9000
Trichloroethene	ug/l	MW-1S	04/01/2000	16.0000
Trichloroethene	ug/l	MW-1S	10/01/2000	8.9000
Trichloroethene	ug/l	MW-1S	04/01/2001	13.0000
Trichloroethene	ug/l	MW-1S	07/01/2001	2.1000
Trichloroethene	ug/l	MW-1S	10/01/2001	13.0000
Trichloroethene	ug/l	MW-1S	01/01/2002	7.0000
Trichloroethene	ug/l	MW-1S	04/01/2002	5.3000
Trichloroethene	ug/l	MW-1S	07/01/2002	6.2000
Trichloroethene	ug/l	MW-1S	10/22/2002	8.3000
Trichloroethene	ug/l	MW-1S	01/08/2003	11.0000
Trichloroethene	ug/l	MW-1S	04/23/2003	11.0000
Trichloroethene	ug/l	MW-1S	07/29/2003	13.0000
Trichloroethene	ug/l	MW-1S	01/21/2004	18.0000

* - Outlier for that location and constituent.

ND = Not detected, result = detection limit.

Table 2

Most Current Onsite/Downgradient Monitoring Data

Constituent	Units	Location	Date		Result	Pred. Limit
Benzene	ug/l	MW-11	01/23/2004	ND	1.0000	0.5000
Benzene	ug/l	MW-14S	01/22/2004	ND	2.0000	0.5000
Benzene	ug/l	MW-15D	01/22/2004	ND	0.5000	0.5000
Benzene	ug/l	MW-15S	01/22/2004		0.6100 *	0.5000
Benzene	ug/l	MW-16	01/23/2004	ND	0.5000	0.5000
Benzene	ug/l	MW-1D	01/21/2004		4.0000 *	0.5000
Benzene	ug/l	MW-3	01/21/2004		1.8000 *	0.5000
Benzene	ug/l	MW-4	01/23/2004		337.3333 *	0.5000
Benzene	ug/l	MW-4A	01/22/2004		3.3000 *	0.5000
Benzene	ug/l	MW-6B	01/22/2004	ND	0.5000	0.5000
Benzene	ug/l	MW-6D	01/22/2004	ND	0.5000	0.5000
Benzene	ug/l	MW-7	01/22/2004	ND	0.5000	0.5000
Benzene	ug/l	MW-9	01/23/2004	ND	0.5000	0.5000
Cadmium	mg/L	MW-11	01/23/2004	ND	0.0050	0.0100
Cadmium	mg/L	MW-14S	01/22/2004		0.0100	0.0100
Cadmium	mg/L	MW-15D	01/22/2004	ND	0.0050	0.0100
Cadmium	mg/L	MW-15S	01/22/2004		0.0100	0.0100
Cadmium	mg/L	MW-16	01/23/2004	ND	0.0050	0.0100
Cadmium	mg/L	MW-1D	01/21/2004	ND	0.0050	0.0100
Cadmium	mg/L	MW-3	01/21/2004	ND	0.0050	0.0100
Cadmium	mg/L	MW-4	01/23/2004		563.5300 *	0.0100
Cadmium	mg/L	MW-4A	01/22/2004	ND	0.0050	0.0100
Cadmium	mg/L	MW-6B	01/22/2004	ND	0.0050	0.0100
Cadmium	mg/L	MW-6D	01/22/2004	ND	0.0050	0.0100
Cadmium	mg/L	MW-7	01/22/2004	ND	0.0050	0.0100
Cadmium	mg/L	MW-9	01/23/2004	ND	0.0050	0.0100
Chromium	mg/L	MW-11	01/23/2004	ND	0.0050	0.0100
Chromium	mg/L	MW-14S	01/22/2004		0.9500 *	0.0100
Chromium	mg/L	MW-15D	01/22/2004		0.0056	0.0100
Chromium	mg/L	MW-15S	01/22/2004	ND	0.0050	0.0100
Chromium	mg/L	MW-16	01/23/2004	ND	0.0050	0.0100
Chromium	mg/L	MW-1D	01/21/2004	ND	0.0050	0.0100
Chromium	mg/L	MW-3	01/21/2004	ND	0.0050	0.0100
Chromium	mg/L	MW-4	01/23/2004		1066.0000 *	0.0100
Chromium	mg/L	MW-4A	01/22/2004	ND	0.0050	0.0100
Chromium	mg/L	MW-6B	01/22/2004	ND	0.0050	0.0100
Chromium	mg/L	MW-6D	01/22/2004	ND	0.0050	0.0100
Chromium	mg/L	MW-7	01/22/2004	ND	0.0050	0.0100
Chromium	mg/L	MW-9	01/23/2004		1.6000 *	0.0100
Chromium (vi)	mg/L	MW-11	01/23/2004	ND	0.0010	0.0200
Chromium (vi)	mg/L	MW-14S	01/22/2004		0.4400 *	0.0200
Chromium (vi)	mg/L	MW-15D	01/22/2004		0.0064	0.0200
Chromium (vi)	mg/L	MW-15S	01/22/2004	ND	0.0010	0.0200
Chromium (vi)	mg/L	MW-16	01/23/2004		0.0026	0.0200
Chromium (vi)	mg/L	MW-1D	01/21/2004	ND	0.0010	0.0200
Chromium (vi)	mg/L	MW-3	01/21/2004	ND	0.0010	0.0200
Chromium (vi)	mg/L	MW-4	01/23/2004		135.6667 *	0.0200
Chromium (vi)	mg/L	MW-4A	01/22/2004		0.0027	0.0200
Chromium (vi)	mg/L	MW-6B	01/22/2004	ND	0.0010	0.0200
Chromium (vi)	mg/L	MW-6D	01/22/2004		0.0030	0.0200
Chromium (vi)	mg/L	MW-7	01/22/2004	ND	0.0010	0.0200
Chromium (vi)	mg/L	MW-9	01/23/2004		121.8333 *	0.0200
Copper	mg/L	MW-11	01/23/2004	ND	0.0100	0.0500
Copper	mg/L	MW-14S	01/22/2004		0.0300	0.0500

* - Current value failed.

**** - Insufficient background data to compute prediction limit.

ND = Not Detected, result = detection limit.

Table 2**Most Current Onsite/Downgradient Monitoring Data**

Constituent	Units	Location	Date	Result	Pred. Limit
Copper	mg/L	MW-15D	01/22/2004	ND	0.0500
Copper	mg/L	MW-15S	01/22/2004	ND	0.0500
Copper	mg/L	MW-16	01/23/2004	ND	0.0500
Copper	mg/L	MW-1D	01/21/2004	ND	0.0500
Copper	mg/L	MW-3	01/21/2004	ND	0.0500
Copper	mg/L	MW-4	01/23/2004	0.0200	0.0500
Copper	mg/L	MW-4A	01/22/2004	0.0300	0.0500
Copper	mg/L	MW-6B	01/22/2004	ND	0.0500
Copper	mg/L	MW-6D	01/22/2004	ND	0.0500
Copper	mg/L	MW-7	01/22/2004	ND	0.0500
Copper	mg/L	MW-9	01/23/2004	ND	0.0500
Ethylbenzene	ug/l	MW-11	01/23/2004	24.0000	*
Ethylbenzene	ug/l	MW-14S	01/22/2004	ND	3.4000
Ethylbenzene	ug/l	MW-15D	01/22/2004	ND	3.4000
Ethylbenzene	ug/l	MW-15S	01/22/2004	ND	3.4000
Ethylbenzene	ug/l	MW-16	01/23/2004	ND	3.4000
Ethylbenzene	ug/l	MW-1D	01/21/2004	ND	3.4000
Ethylbenzene	ug/l	MW-3	01/21/2004	60.0000	*
Ethylbenzene	ug/l	MW-4	01/23/2004	300.0000	*
Ethylbenzene	ug/l	MW-4A	01/22/2004	ND	3.4000
Ethylbenzene	ug/l	MW-6B	01/22/2004	ND	3.4000
Ethylbenzene	ug/l	MW-6D	01/22/2004	ND	3.4000
Ethylbenzene	ug/l	MW-7	01/22/2004	ND	3.4000
Ethylbenzene	ug/l	MW-9	01/23/2004	ND	3.4000
M,p-xylene	ug/l	MW-11	01/23/2004	ND	1.0000
M,p-xylene	ug/l	MW-14S	01/22/2004	ND	1.0000
M,p-xylene	ug/l	MW-15D	01/22/2004	ND	1.0000
M,p-xylene	ug/l	MW-15S	01/22/2004	ND	1.0000
M,p-xylene	ug/l	MW-16	01/23/2004	ND	1.0000
M,p-xylene	ug/l	MW-1D	01/21/2004	ND	1.0000
M,p-xylene	ug/l	MW-3	01/21/2004	ND	1.0000
M,p-xylene	ug/l	MW-4	01/23/2004	1010.8670	*
M,p-xylene	ug/l	MW-4A	01/22/2004	ND	1.0000
M,p-xylene	ug/l	MW-6B	01/22/2004	ND	1.0000
M,p-xylene	ug/l	MW-6D	01/22/2004	ND	1.0000
M,p-xylene	ug/l	MW-7	01/22/2004	ND	1.0000
M,p-xylene	ug/l	MW-9	01/23/2004	ND	1.0000
O-xylene	ug/l	MW-11	01/23/2004	ND	1.0000
O-xylene	ug/l	MW-14S	01/22/2004	ND	1.0000
O-xylene	ug/l	MW-15D	01/22/2004	ND	1.0000
O-xylene	ug/l	MW-15S	01/22/2004	ND	1.0000
O-xylene	ug/l	MW-16	01/23/2004	ND	1.0000
O-xylene	ug/l	MW-1D	01/21/2004	ND	1.0000
O-xylene	ug/l	MW-3	01/21/2004	ND	1.0000
O-xylene	ug/l	MW-4	01/23/2004	3.2500	1.0000
O-xylene	ug/l	MW-4A	01/22/2004	ND	1.0000
O-xylene	ug/l	MW-6B	01/22/2004	ND	1.0000
O-xylene	ug/l	MW-6D	01/22/2004	ND	1.0000
O-xylene	ug/l	MW-7	01/22/2004	ND	1.0000
O-xylene	ug/l	MW-9	01/23/2004	ND	1.0000
Toluene	ug/l	MW-11	01/23/2004	ND	1.0000
Toluene	ug/l	MW-14S	01/22/2004	ND	1.0000
Toluene	ug/l	MW-15D	01/22/2004	ND	1.0000
Toluene	ug/l	MW-15S	01/22/2004	ND	1.0000

* - Current value failed.

**** - Insufficient background data to compute prediction limit.

ND = Not Detected, result = detection limit.

Table 2**Most Current Onsite/Downgradient Monitoring Data**

Constituent	Units	Location	Date		Result	Pred. Limit
Toluene	ug/l	MW-16	01/23/2004	ND	1.0000	1.0000
Toluene	ug/l	MW-1D	01/21/2004	ND	1.0000	1.0000
Toluene	ug/l	MW-3	01/21/2004	ND	1.0000	1.0000
Toluene	ug/l	MW-4	01/23/2004	ND	3.2500	1.0000
Toluene	ug/l	MW-4A	01/22/2004	ND	2.0000	1.0000
Toluene	ug/l	MW-6B	01/22/2004	ND	1.0000	1.0000
Toluene	ug/l	MW-6D	01/22/2004	ND	1.0000	1.0000
Toluene	ug/l	MW-7	01/22/2004	ND	1.0000	1.0000
Toluene	ug/l	MW-9	01/23/2004	ND	1.0000	1.0000
Total xylenes	ug/l	MW-11	01/23/2004	ND	4.0000	5.8000
Total xylenes	ug/l	MW-14S	01/22/2004	ND	8.0000	5.8000
Total xylenes	ug/l	MW-15D	01/22/2004	ND	2.0000	5.8000
Total xylenes	ug/l	MW-15S	01/22/2004	ND	2.0000	5.8000
Total xylenes	ug/l	MW-16	01/23/2004	ND	2.0000	5.8000
Total xylenes	ug/l	MW-1D	01/21/2004	ND	2.0000	5.8000
Total xylenes	ug/l	MW-3	01/21/2004	ND	2.0000	5.8000
Total xylenes	ug/l	MW-4	01/23/2004		1010.8670 *	5.8000
Total xylenes	ug/l	MW-4A	01/22/2004	ND	4.0000	5.8000
Total xylenes	ug/l	MW-6B	01/22/2004	ND	2.0000	5.8000
Total xylenes	ug/l	MW-6D	01/22/2004	ND	2.0000	5.8000
Total xylenes	ug/l	MW-7	01/22/2004	ND	2.0000	5.8000
Total xylenes	ug/l	MW-9	01/23/2004	ND	2.0000	5.8000
Trichloroethene	ug/l	MW-11	01/23/2004		190.0000 *	24.9102
Trichloroethene	ug/l	MW-14S	01/22/2004		480.0000 *	24.9102
Trichloroethene	ug/l	MW-15D	01/22/2004		3.0000	24.9102
Trichloroethene	ug/l	MW-15S	01/22/2004		85.0000 *	24.9102
Trichloroethene	ug/l	MW-16	01/23/2004		17.0000	24.9102
Trichloroethene	ug/l	MW-1D	01/21/2004		10.0000	24.9102
Trichloroethene	ug/l	MW-3	01/21/2004		200.0000 *	24.9102
Trichloroethene	ug/l	MW-4	01/23/2004		300.0000 *	24.9102
Trichloroethene	ug/l	MW-4A	01/22/2004		63.0000 *	24.9102
Trichloroethene	ug/l	MW-6B	01/22/2004		18.0000	24.9102
Trichloroethene	ug/l	MW-6D	01/22/2004		22.0000	24.9102
Trichloroethene	ug/l	MW-7	01/22/2004		32.0000 *	24.9102
Trichloroethene	ug/l	MW-9	01/23/2004		235.0000 *	24.9102

* - Current value failed.

**** - Insufficient background data to compute prediction limit.

ND = Not Detected, result = detection limit.

Table 3**Detection Frequencies in Background and Onsite/Downgradient Locations**

Constituent	Detect	Backgrd N	Proportion	Detect	Onsite N	Proportion
Benzene	0	34	0.000	45	322	0.140
Cadmium	2	34	0.059	47	325	0.145
Chromium	2	33	0.061	104	321	0.324
Chromium (vi)	2	34	0.059	116	325	0.357
Copper	6	34	0.176	69	325	0.212
Ethylbenzene	7	34	0.206	199	325	0.612
M,p-xylene	0	5	0.000	11	65	0.169
O-xylene	0	5	0.000	5	65	0.077
Toluene	0	33	0.000	56	315	0.178
Total xylenes	7	34	0.206	146	325	0.449
Trichloroethene	34	34	1.000	324	325	0.997

N = Total number of measurements in all locations.

Detect = Total number of detections in all locations.

Proportion = Detect/N.

Table 4**Shapiro Wilk Test of Normality for Multiple Groups**

Constituent	N (Detects)	Detect Freq	G raw	G log	Critical Value	Limit Type
Benzene	0	0.000				nonpar
Cadmium	2	0.059				nonpar
Chromium	2	0.061				nonpar
Chromium (vi)	2	0.059				nonpar
Copper	6	0.176	3.043	3.023	2.326	nonpar
Ethylbenzene	7	0.206	0.825	0.028	2.326	nonpar
M,p-xylene	0	0.000				nonpar
O-xylene	0	0.000				nonpar
Toluene	0	0.000				nonpar
Total xylenes	7	0.206	0.454	0.017	2.326	nonpar
Trichloroethene	34	1.000	1.149	1.650	2.326	normal

Fit to distribution is confirmed if G < critical value.

If detection frequency is < 50% nonparametric or Poisson limit is used

Table 5**Summary Statistics and 95% Confidence Prediction Limits**

Constituent	Units	Model Type	N	Detect	Mean	SD	Pred Limit	Conf*
Benzene	ug/l	nonpar	34	0			0.5000	0.69
Cadmium	mg/L	nonpar	34	2			0.0100	0.69
Chromium	mg/L	nonpar	33	2			0.0100	0.68
Chromium (vi)	mg/L	nonpar	34	2			0.0200	0.69
Copper	mg/L	nonpar	34	6			0.0500	0.69
Ethylbenzene	ug/l	nonpar	34	7			3.4000	0.69
M,p-xylene	ug/l	nonpar	5	0			1.0000	0.09
O-xylene	ug/l	nonpar	5	0			1.0000	0.09
Toluene	ug/l	nonpar	33	0			1.0000	0.68
Total xylenes	ug/l	nonpar	34	7			5.8000	0.69
Trichloroethene	ug/l	normal	34	34	10.0118	3.9282	24.9102	

* - Confidence level for passing a single test at all onsite/downgradient locations for a single constituent (nonparametric test only).

Model Type refers to type of prediction limit.

For lognormal limit, mean and sd in natural log units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Appendix F-2

Prediction Limit Calculation Sheets

CDM

Worksheet 1 - Comparison to Background**Benzene (ug/l)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ = 0.5	Compute nonparametric prediction limit as median reporting limit in background.
2	$K = 13$	Number of comparisons.
3	$N = 34$	Number of background measurements.
4	No resampling.	
5	Confidence = 0.686	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background**Cadmium (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ = 0.01	Compute nonparametric prediction limit as largest background measurement.
2	K = 13	Number of comparisons.
3	N = 34	Number of background measurements.
4	No resampling.	
5	Confidence = 0.686	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background**Chromium (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ = 0.01	Compute nonparametric prediction limit as largest background measurement.
2	$K = 13$	Number of comparisons.
3	$N = 33$	Number of background measurements.
4	No resampling.	
5	Confidence = 0.678	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background**Chromium (vi) (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ = 0.02	Compute nonparametric prediction limit as largest background measurement.
2	$K = 13$	Number of comparisons.
3	$N = 34$	Number of background measurements.
4	No resampling.	
5	Confidence = 0.686	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background**Copper (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ = 0.05	Compute nonparametric prediction limit as largest background measurement.
2	K = 13	Number of comparisons.
3	N = 34	Number of background measurements.
4	No resampling.	
5	Confidence = 0.686	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background**Ethylbenzene (ug/l)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ = 3.4	Compute nonparametric prediction limit as largest background measurement.
2	$K = 13$	Number of comparisons.
3	$N = 34$	Number of background measurements.
4	No resampling.	
5	Confidence = 0.686	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background**M,p-xylene (ug/l)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	$K = 13$	Number of comparisons.
3	$N = 5$	Number of background measurements.
4	No resampling.	
5	Confidence = 0.093	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background**O-xylene (ug/l)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	$K = 13$	Number of comparisons.
3	$N = 5$	Number of background measurements.
4	No resampling.	
5	Confidence = 0.093	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background**Toluene (ug/l)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	K = 13	Number of comparisons.
3	N = 33	Number of background measurements.
4	No resampling.	
5	Confidence = 0.678	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background**Total xylenes (ug/l)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ = 5.8	Compute nonparametric prediction limit as largest background measurement.
2	K = 13	Number of comparisons.
3	N = 34	Number of background measurements.
4	No resampling.	
5	Confidence = 0.686	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background**Trichloroethene (ug/l)****Normal Prediction Limit**

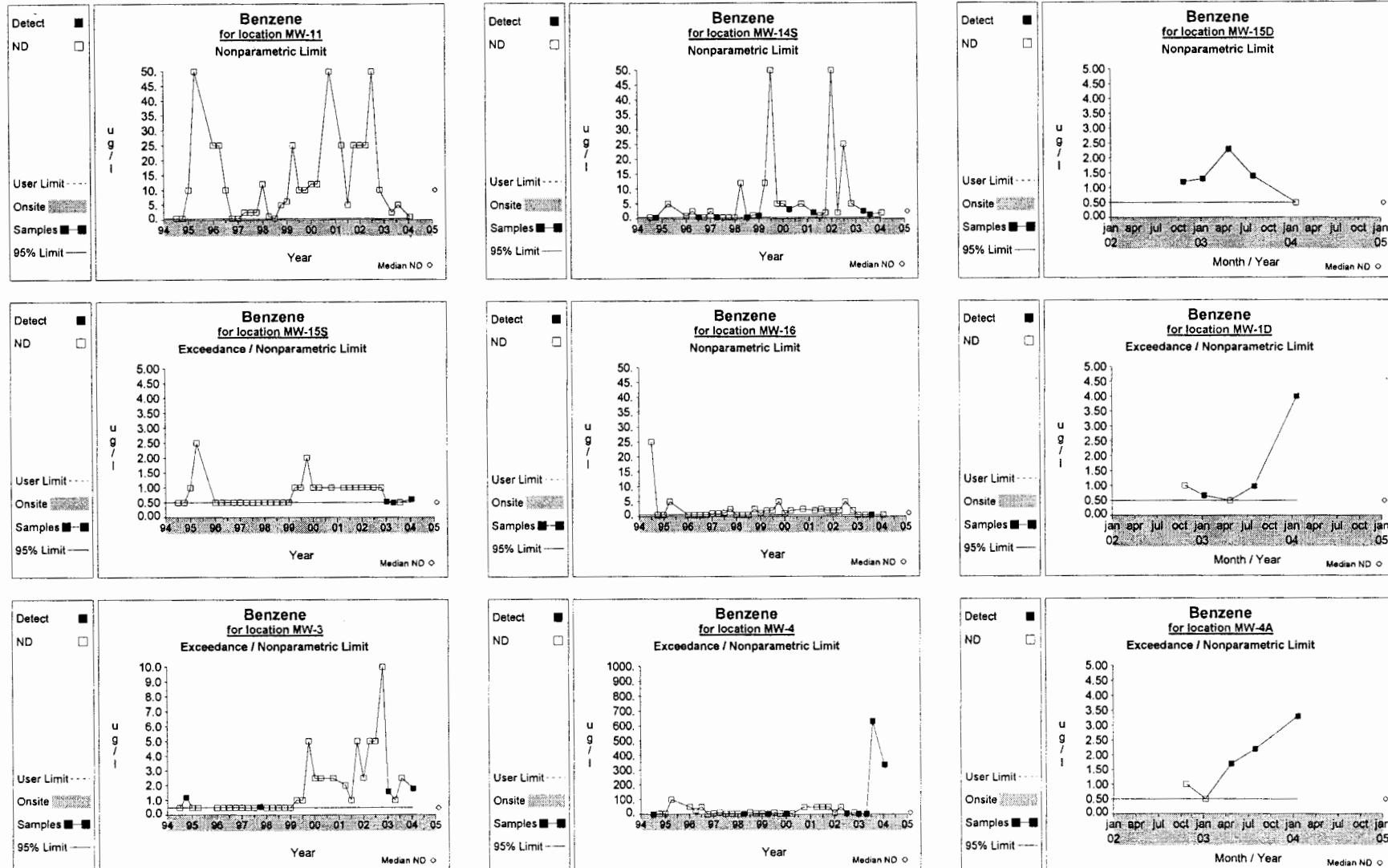
<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ = 340.4 / 34 = 10.012	Compute background mean.
2	$S = ((\text{sum}[X]^2 - \text{sum}[X]^2/N) / (N-1))^{1/2}$ = ((3917.22 - 115872.16/34) / (34-1))^{1/2} = 3.928	Compute background sd.
3	$\alpha = (1-\text{conf})/K$ = (1-.95)/143 = 3.497×10^{-4}	Adjusted per comparison false positive rate. Pass initial (no resampling).
4	$PL = \bar{X} + tS(1+1/N)^{1/2}$ = 10.012 + (3.738 * 3.928)(1+1/34)^{1/2} = 24.91	One-sided normal prediction limit (t is Student's t on N-1 degrees of freedom and 1-alpha confidence level).

Appendix F-3

Control Charts

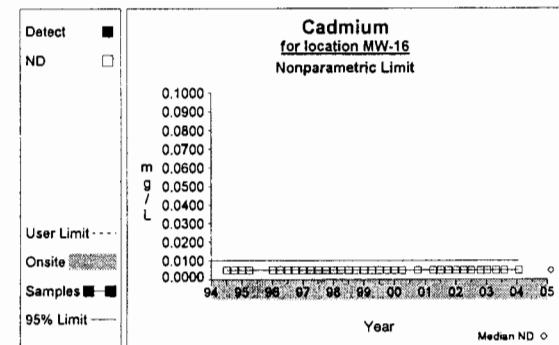
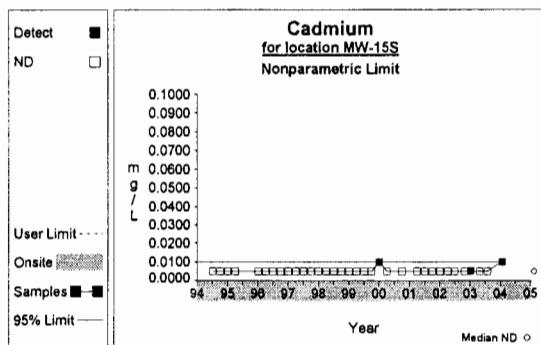
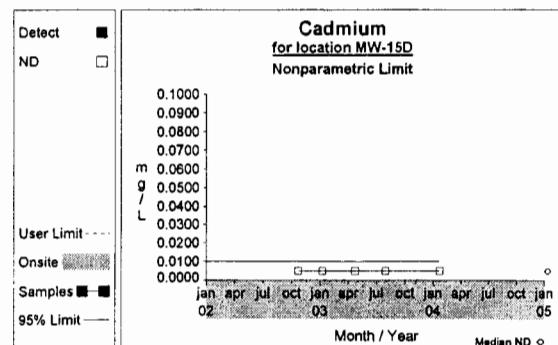
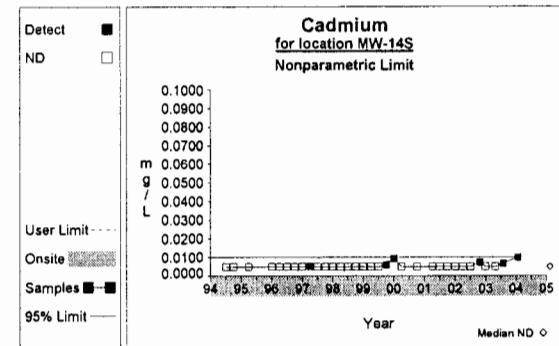
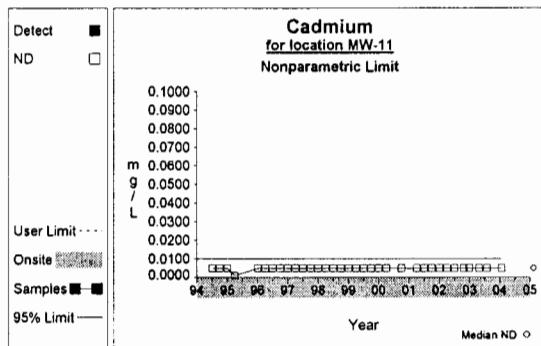
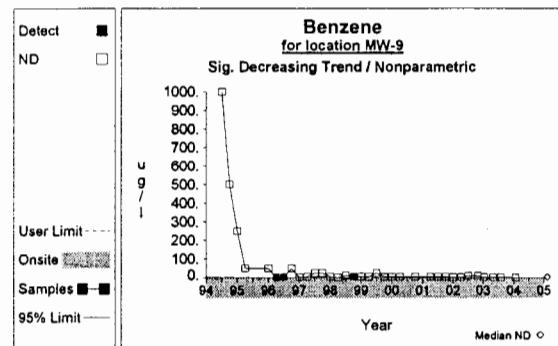
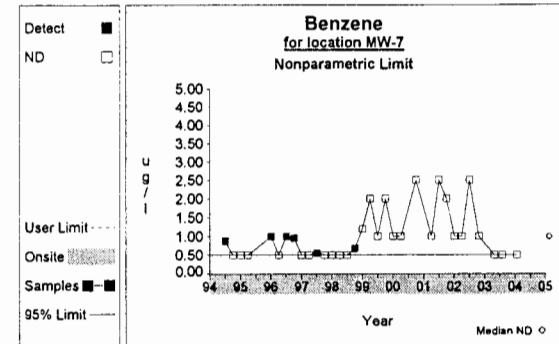
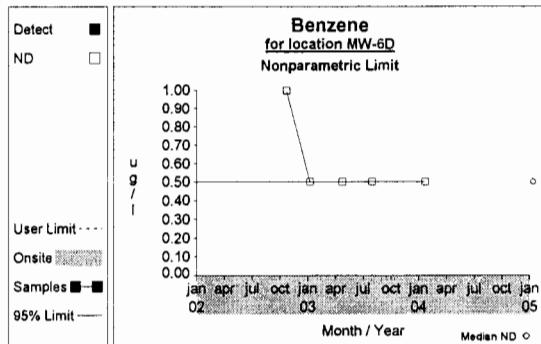
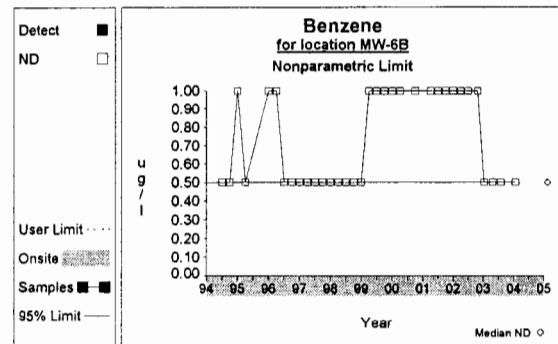
CDM

Comparison to Background



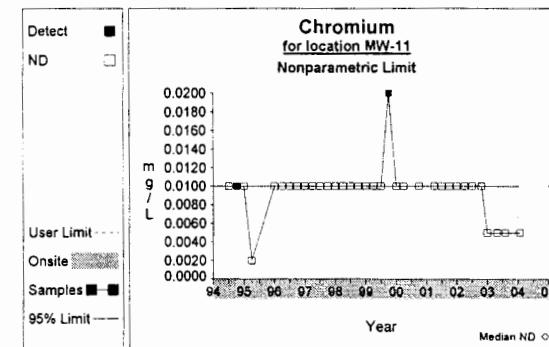
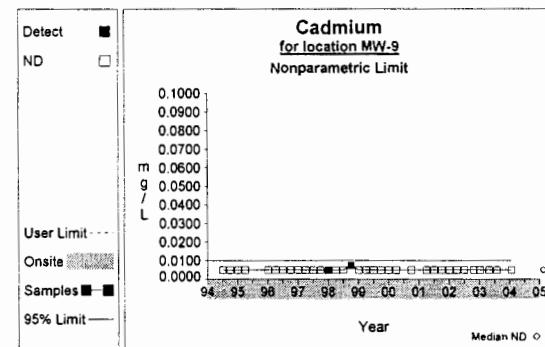
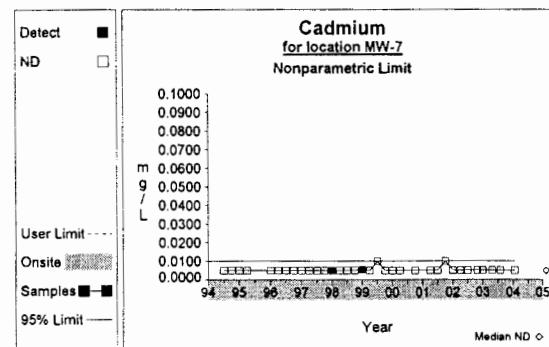
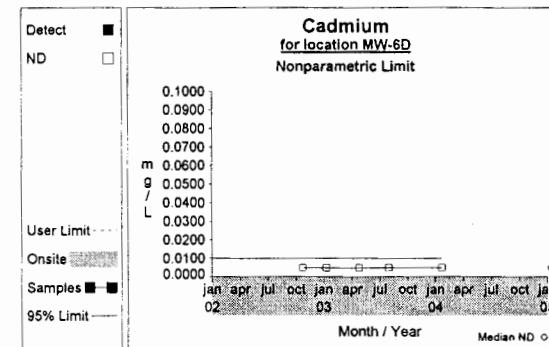
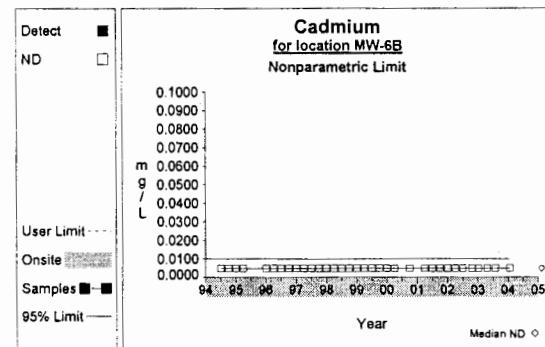
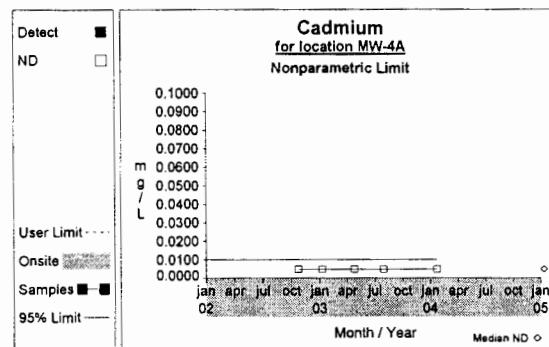
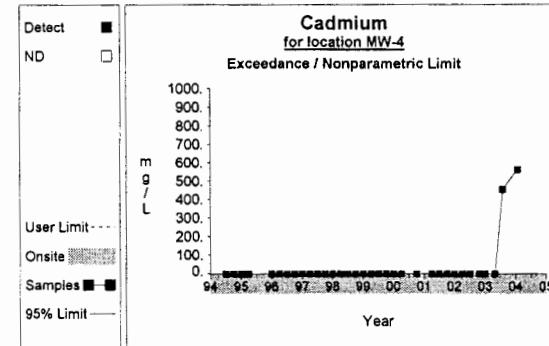
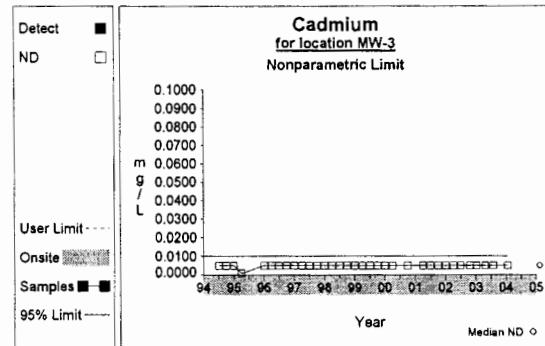
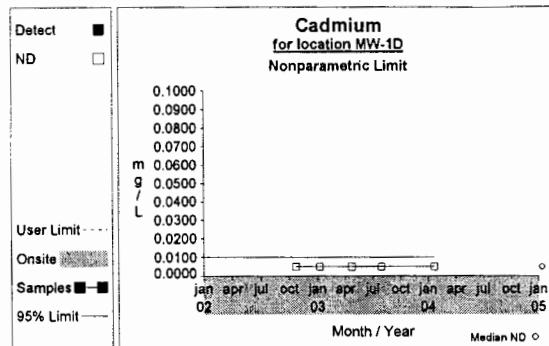
Prepared by: Camp Dresser & McKee Inc.

Comparison to Background



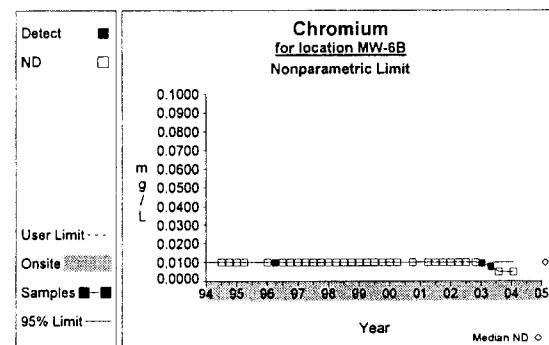
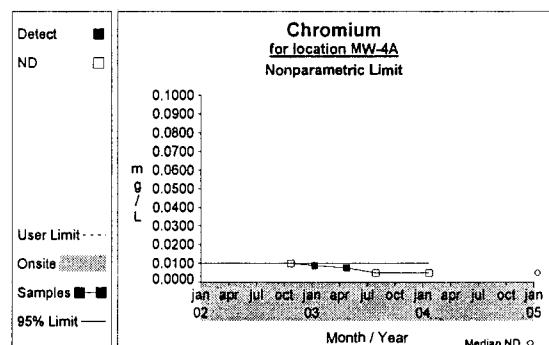
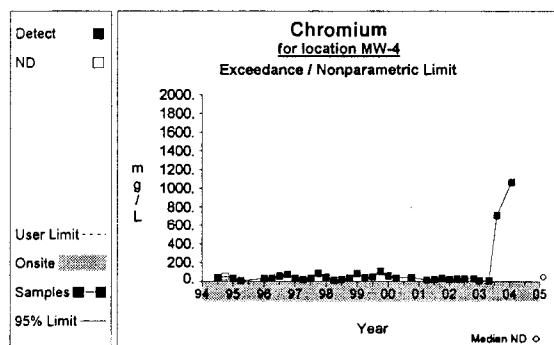
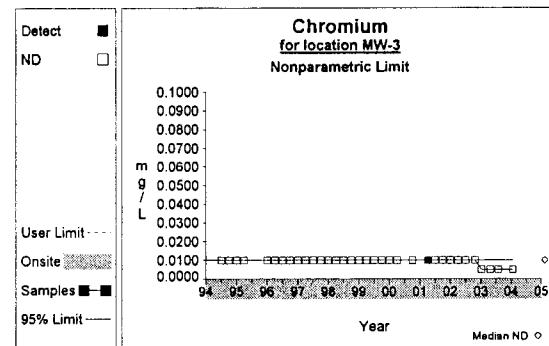
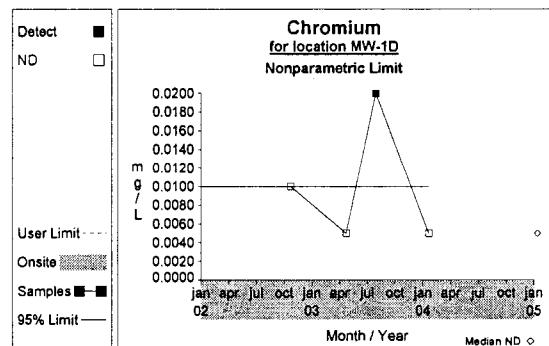
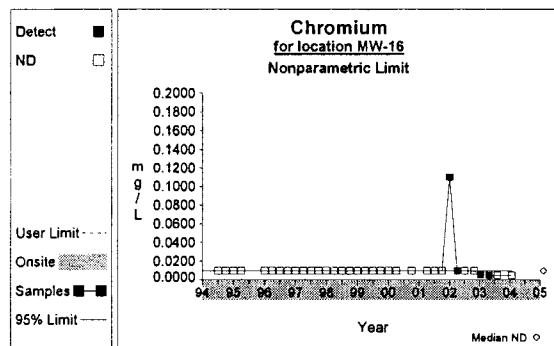
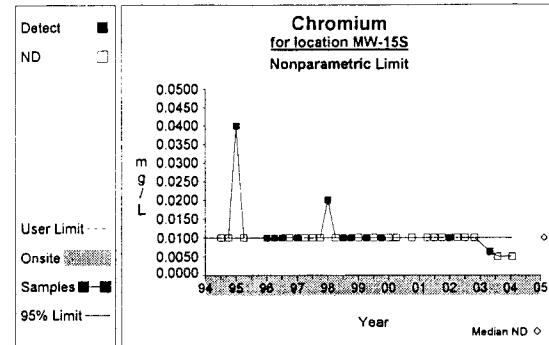
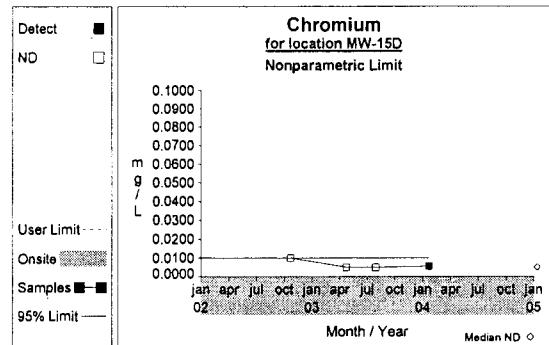
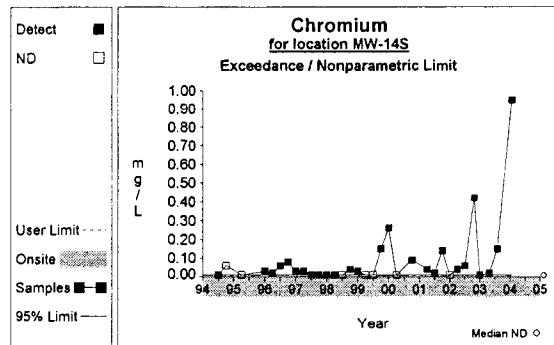
Prepared by: Camp Dresser & McKee Inc.

Comparison to Background



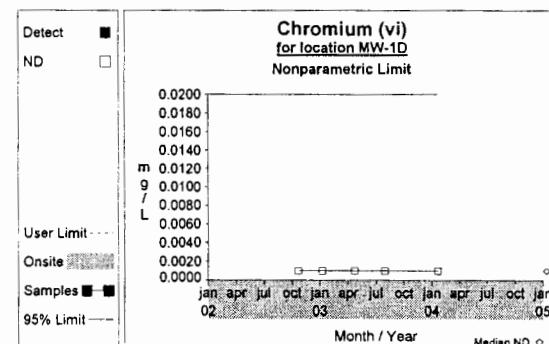
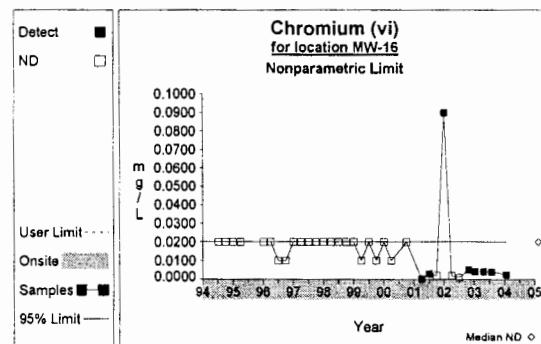
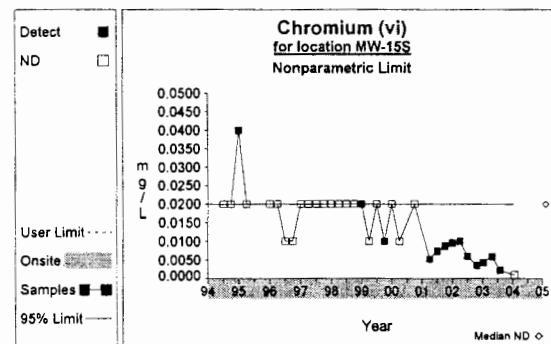
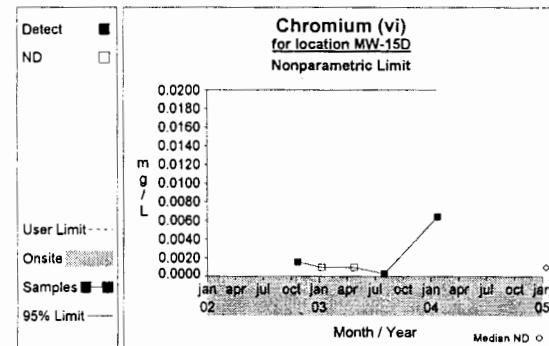
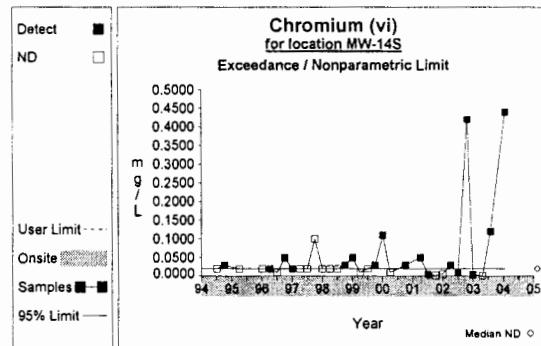
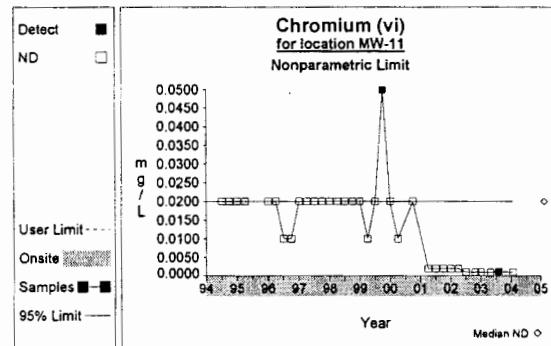
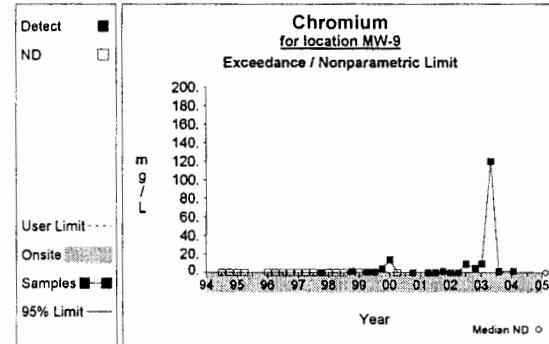
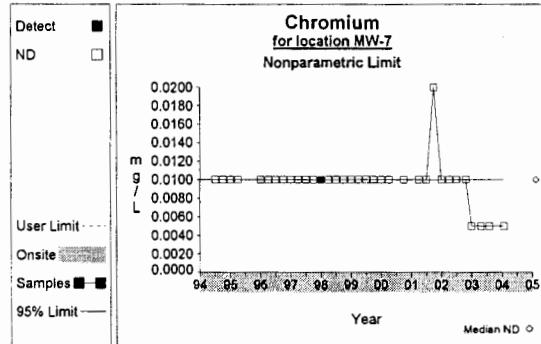
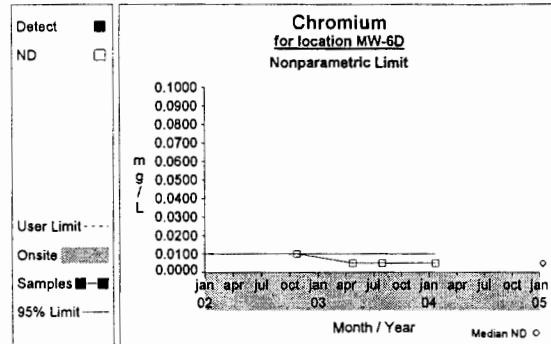
Prepared by: Camp Dresser & McKee Inc.

Comparison to Background

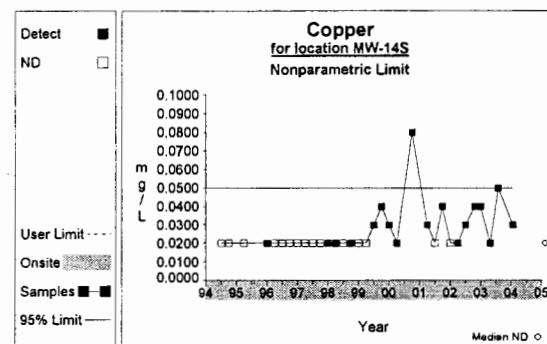
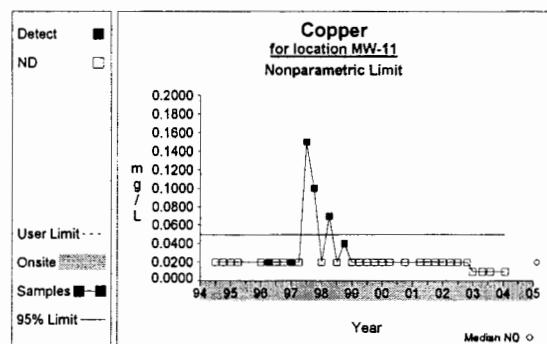
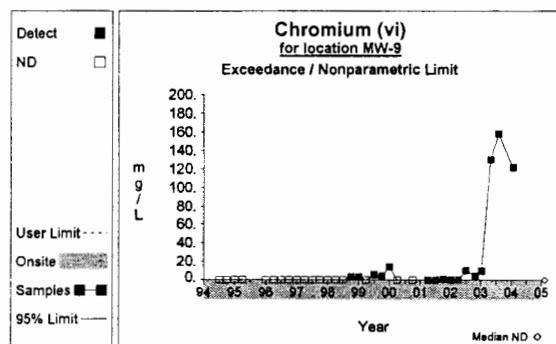
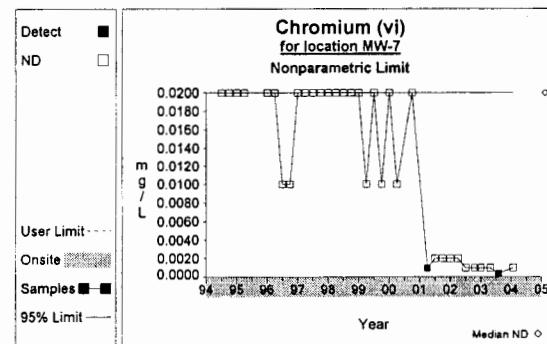
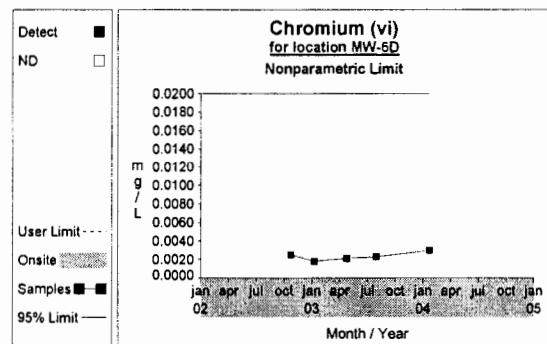
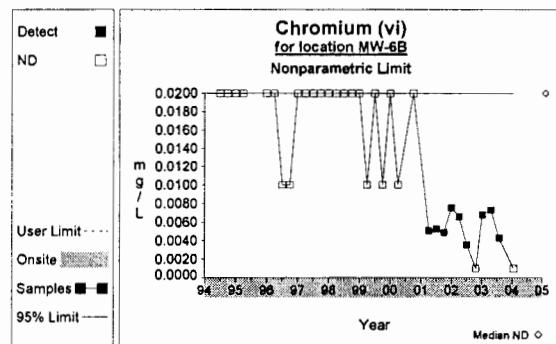
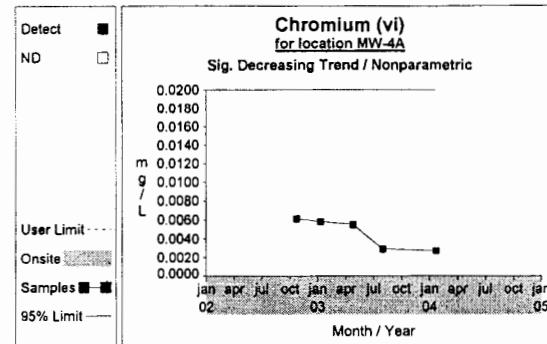
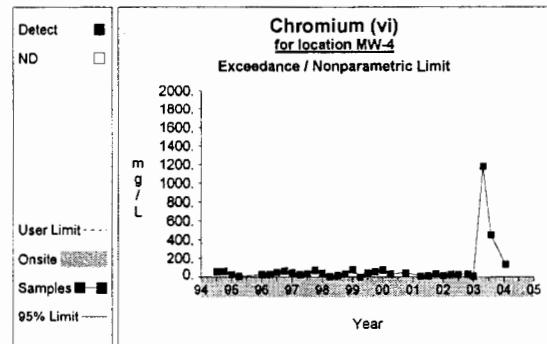
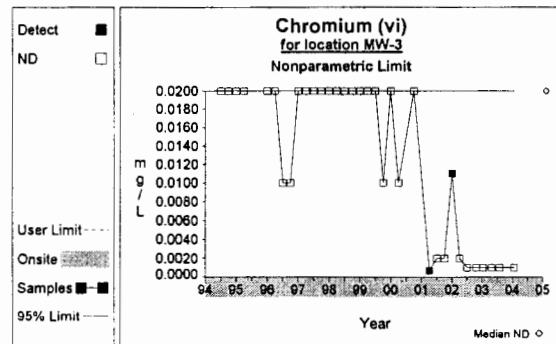


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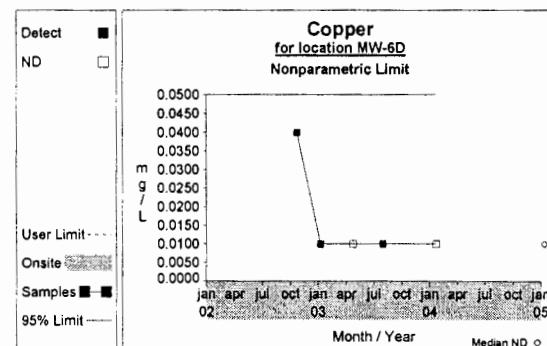
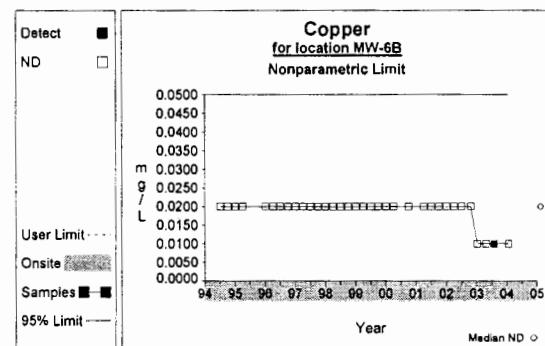
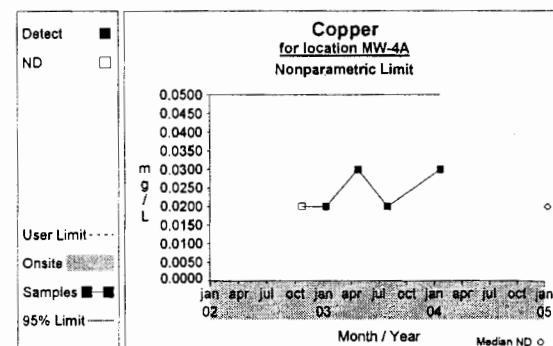
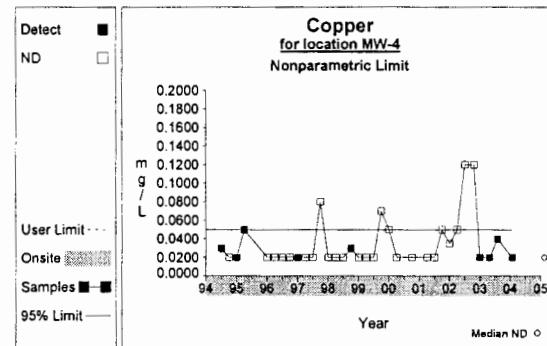
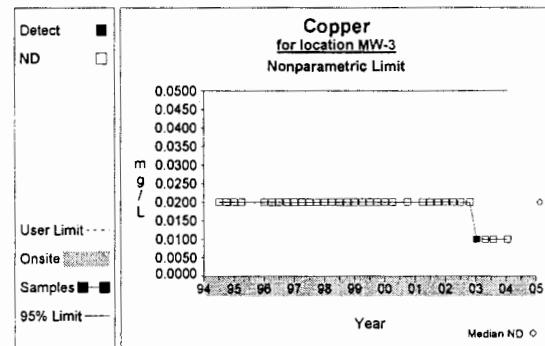
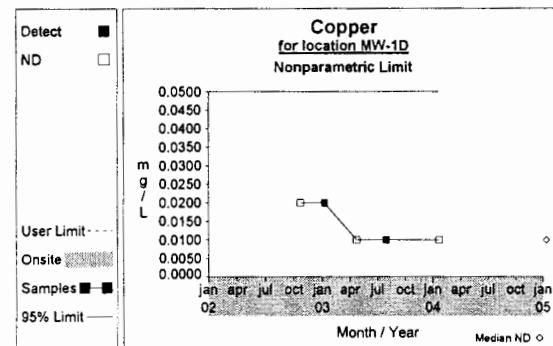
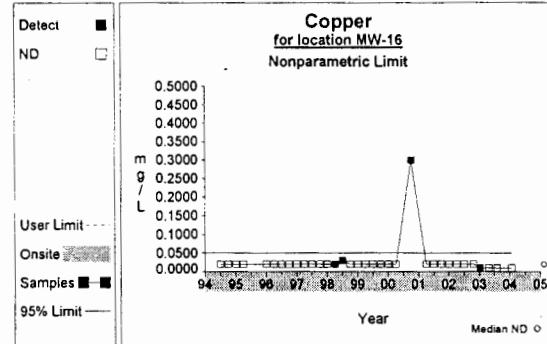
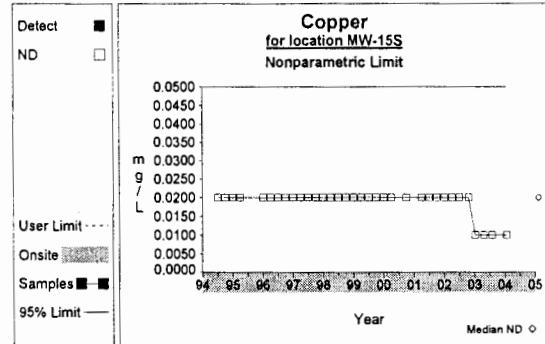
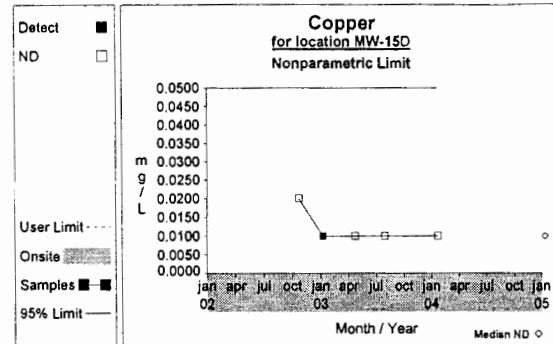
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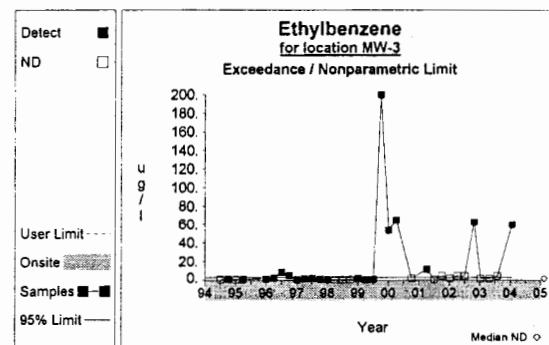
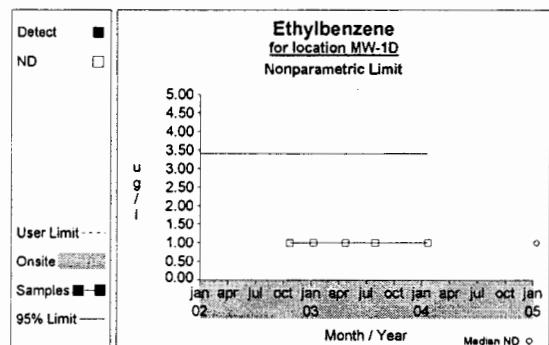
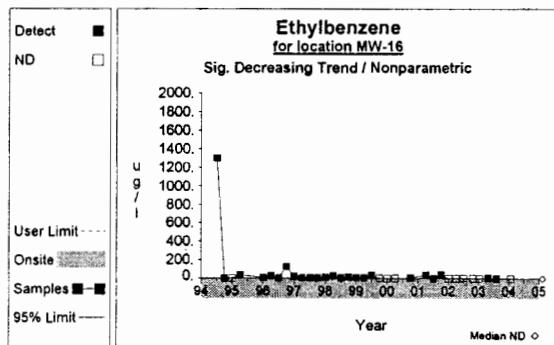
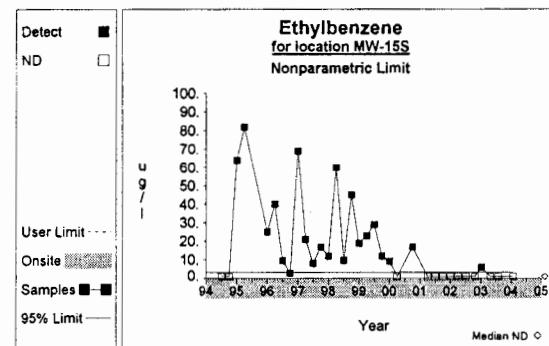
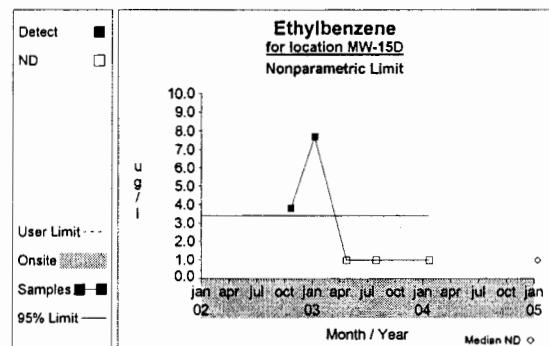
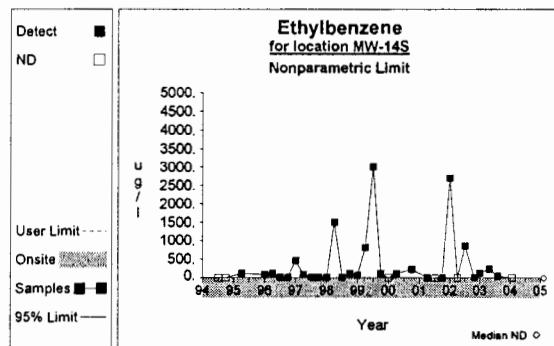
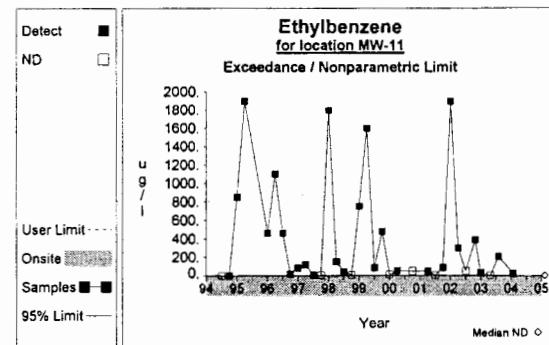
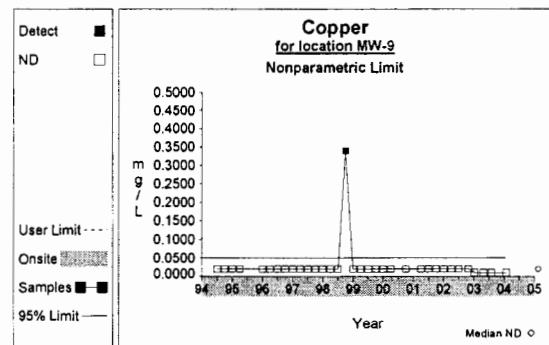
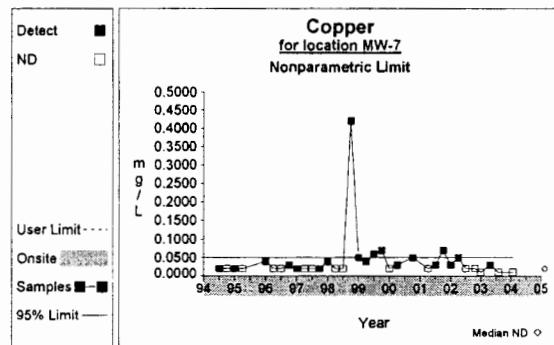
Comparison to Background



Comparison to Background

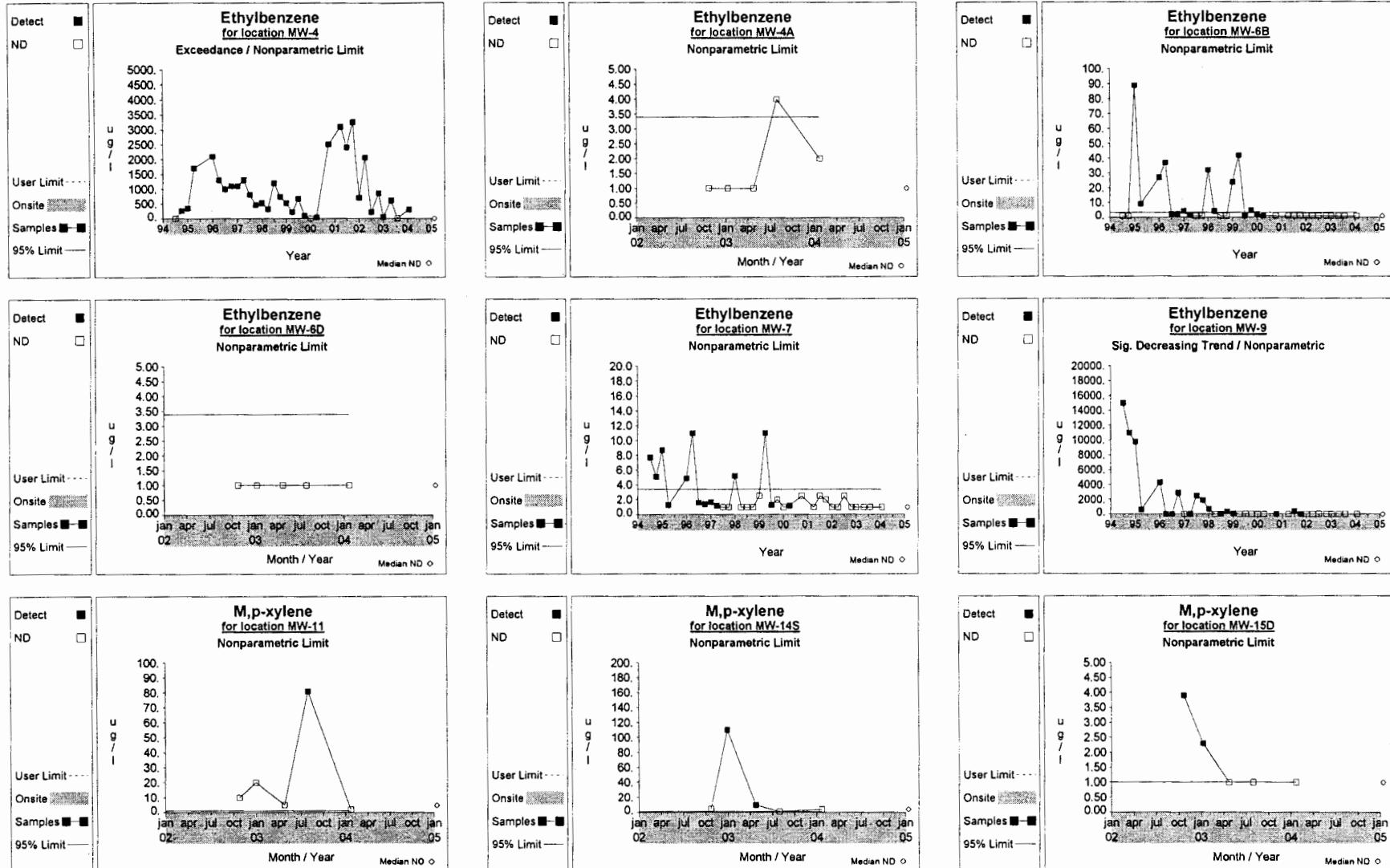


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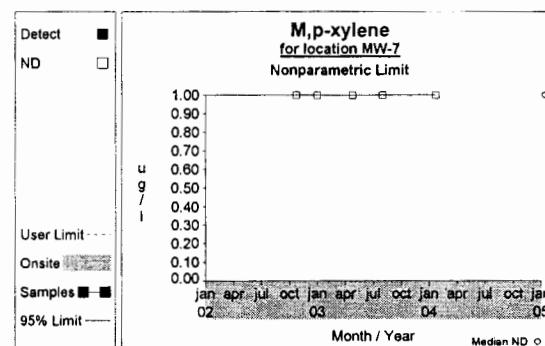
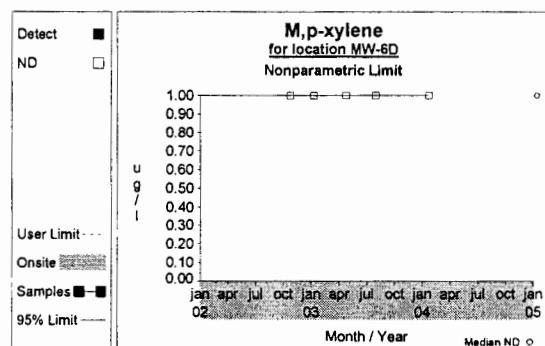
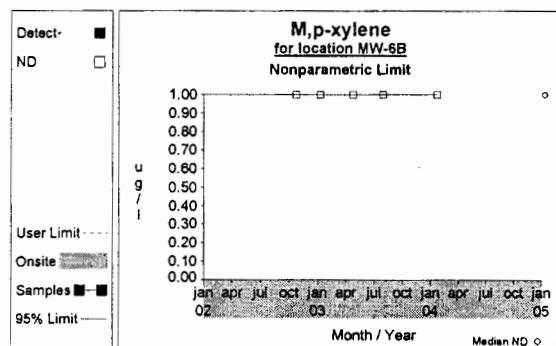
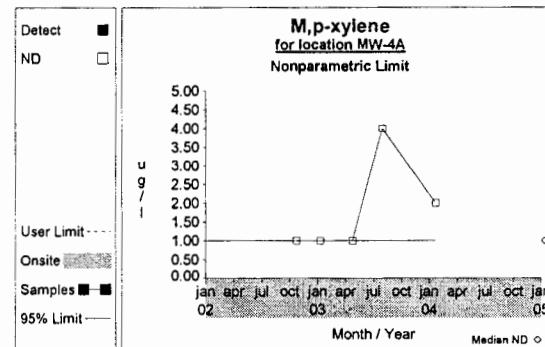
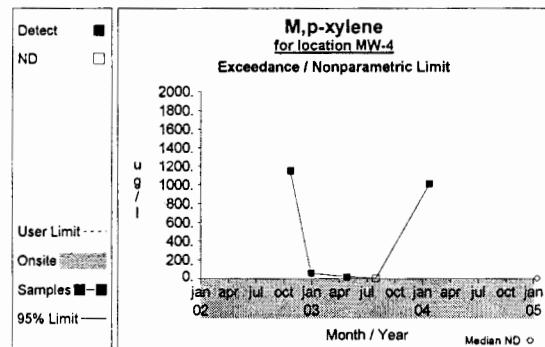
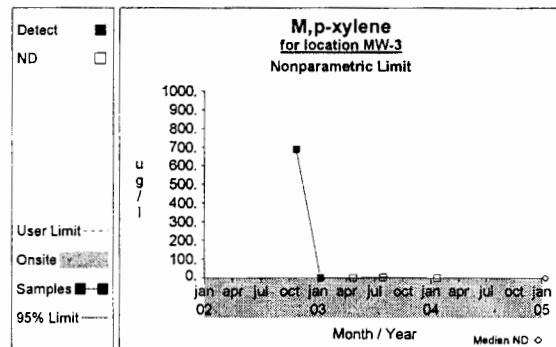
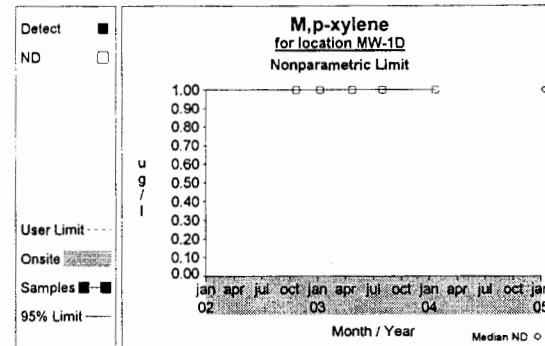
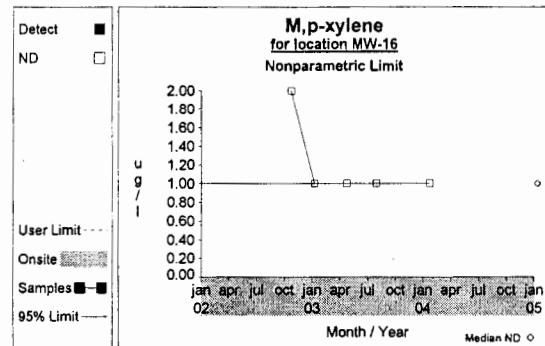
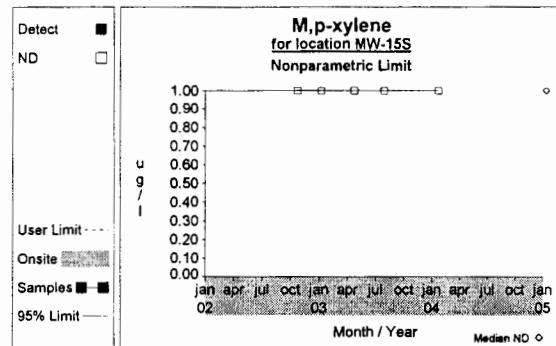
Prepared by: Camp Dresser & McKee Inc.

Comparison to Background

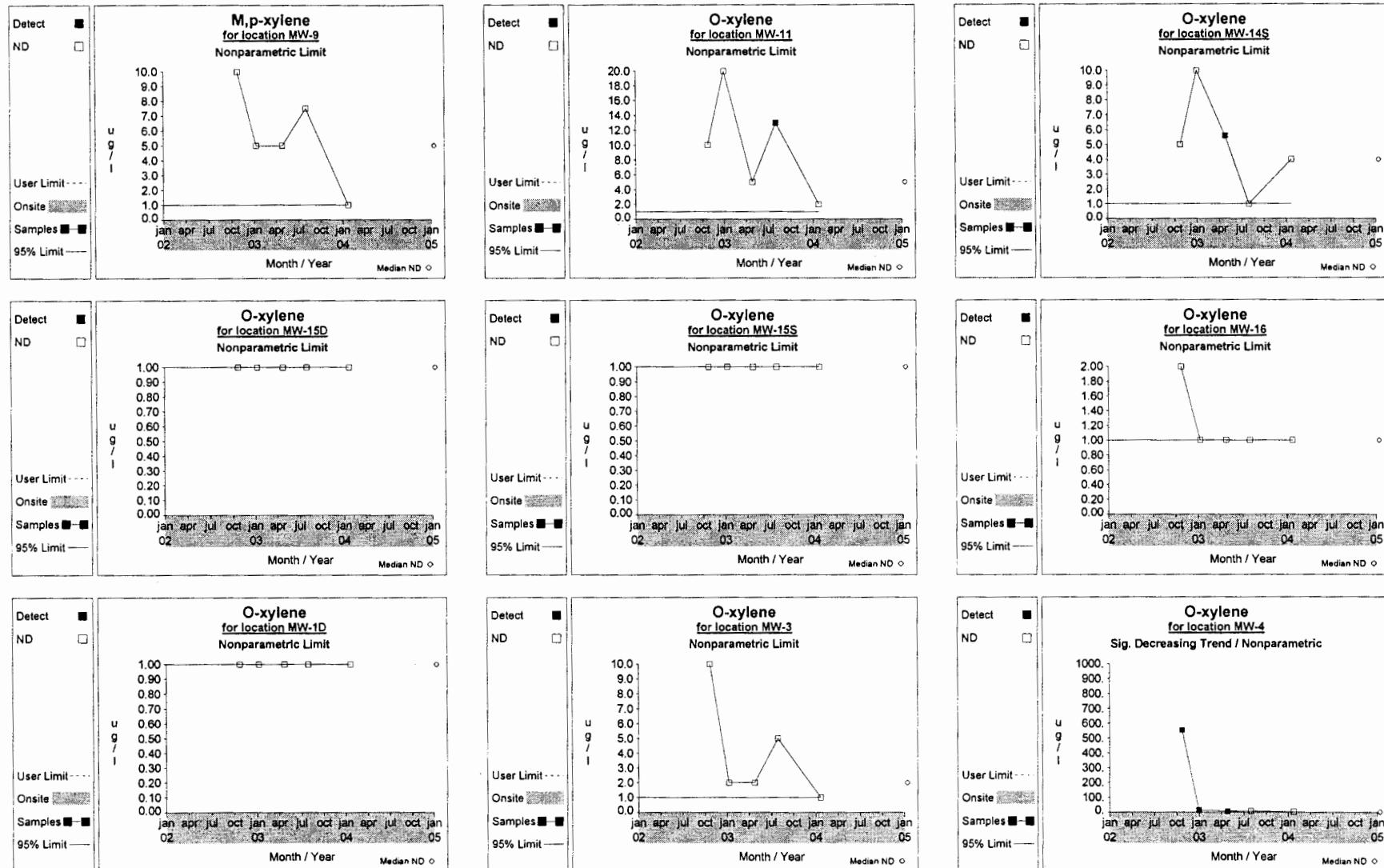


Prepared by: Camp Dresser & McKee Inc.

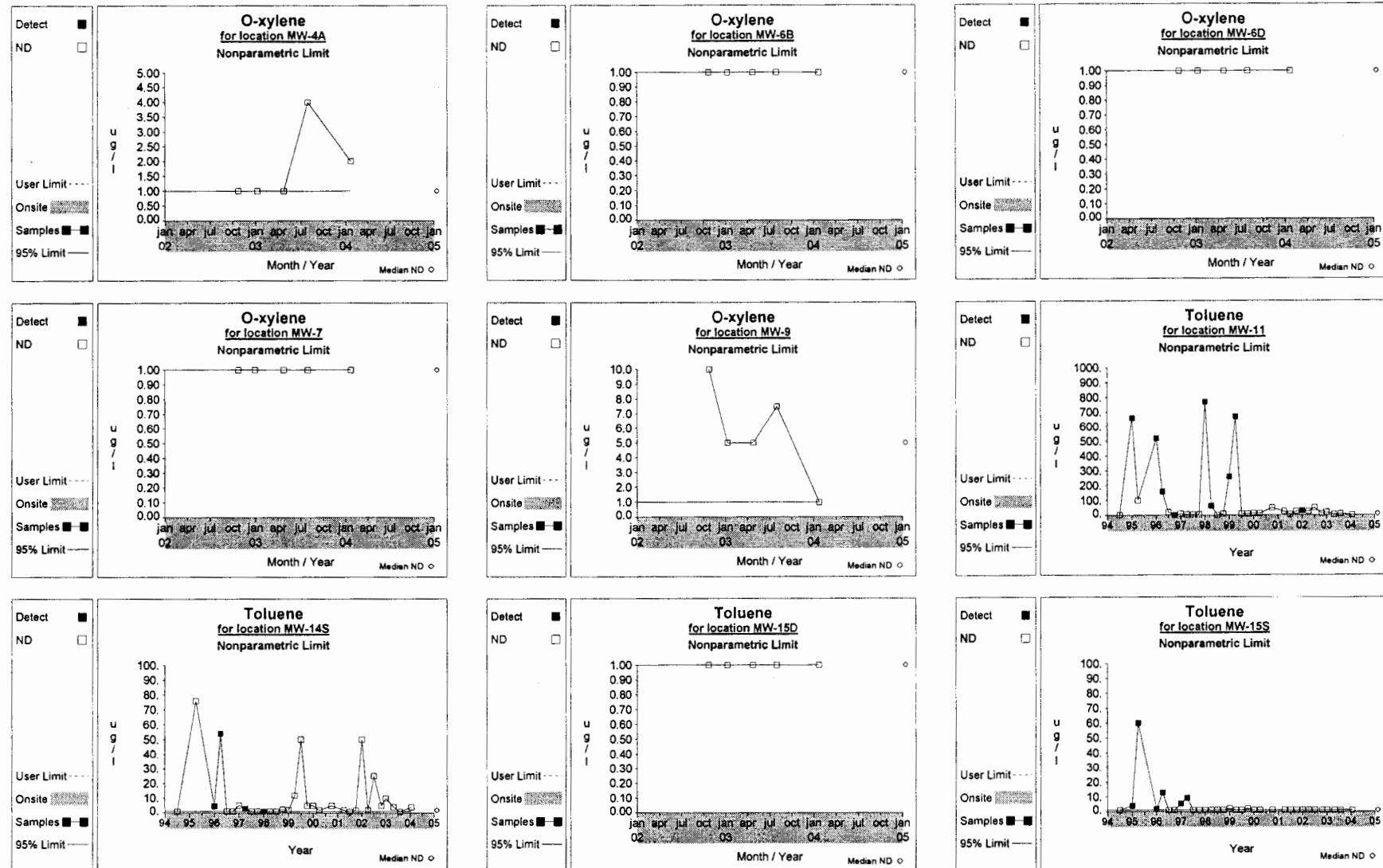
Comparison to Background



Comparison to Background

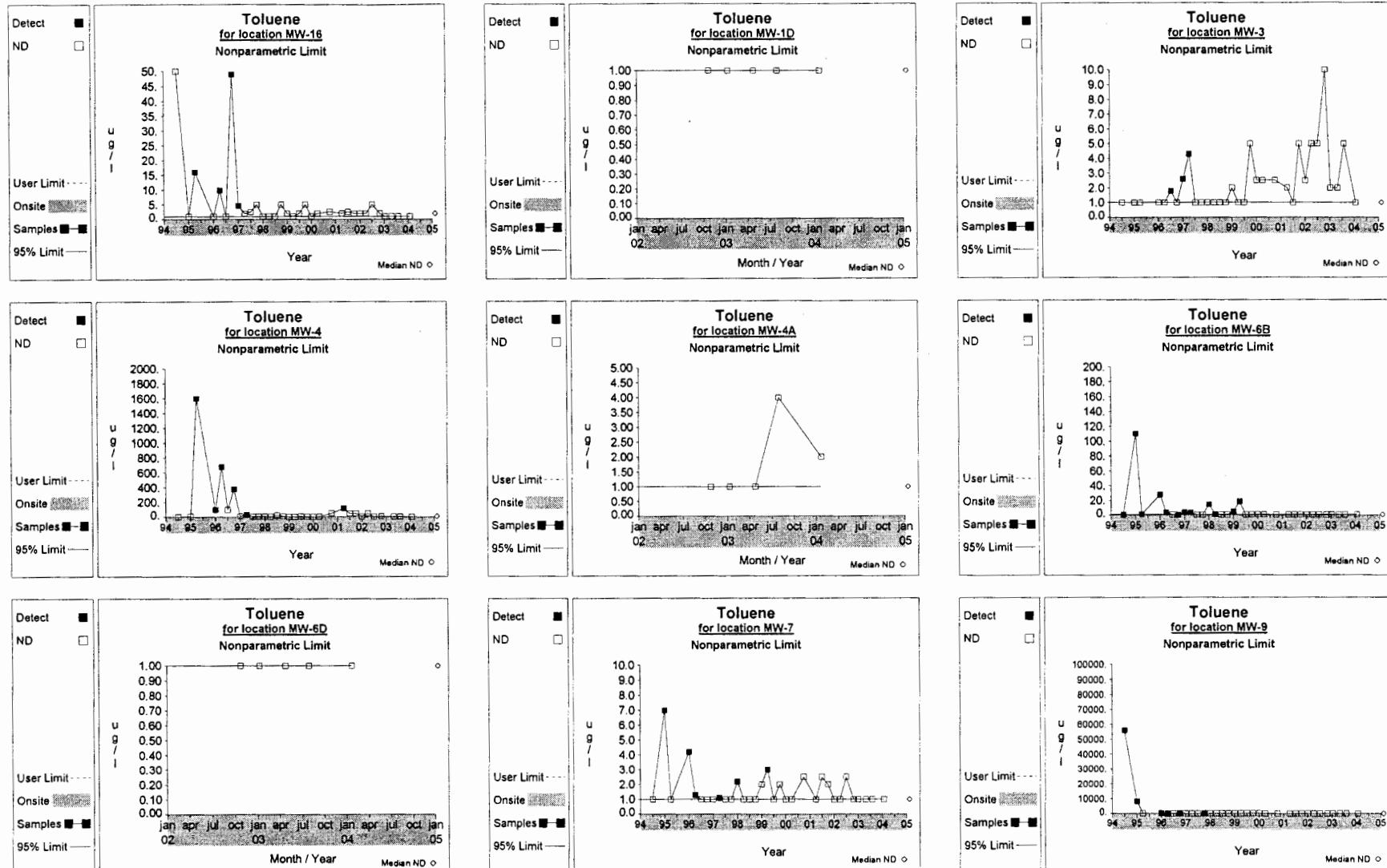


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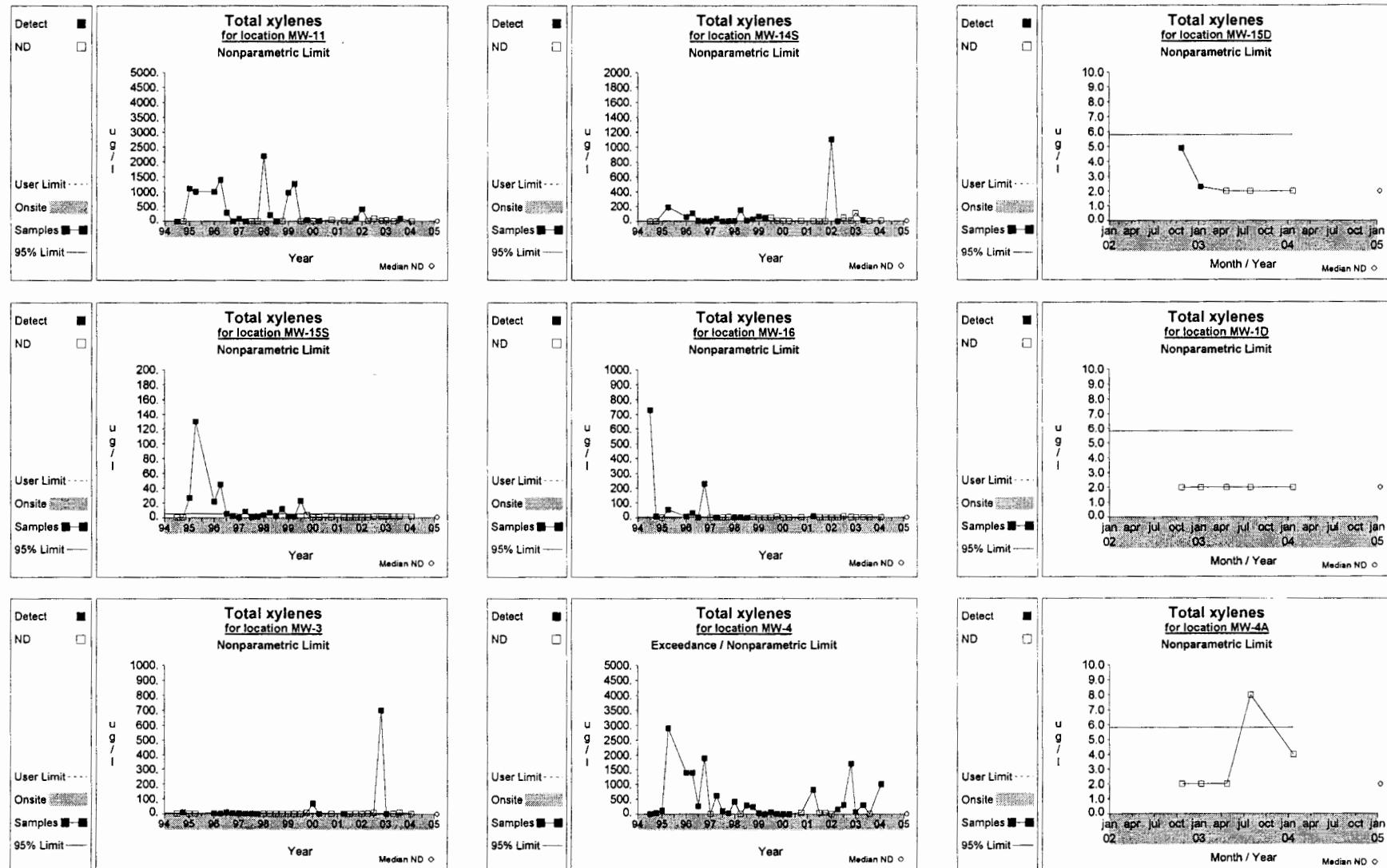


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Comparison to Background

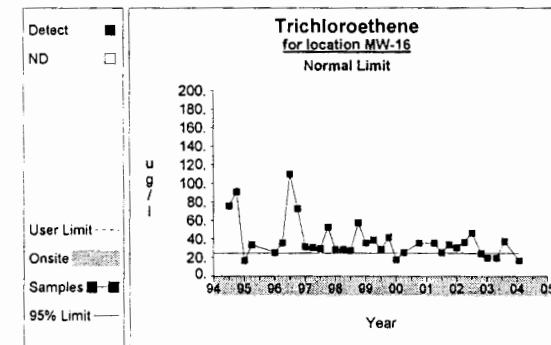
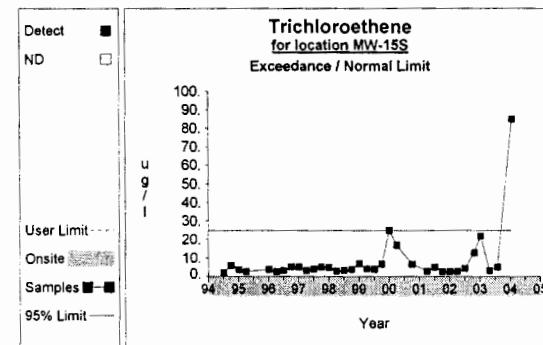
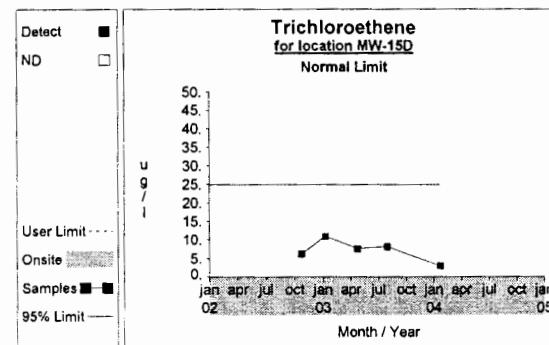
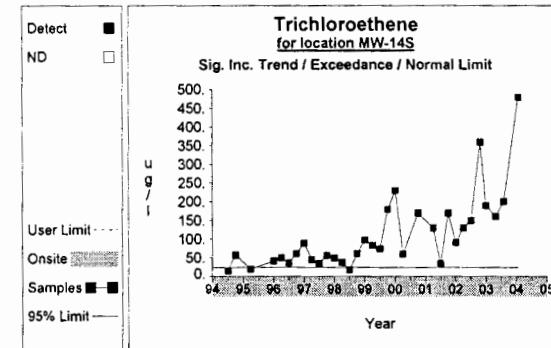
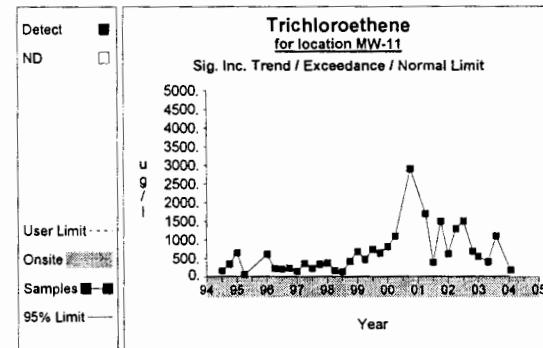
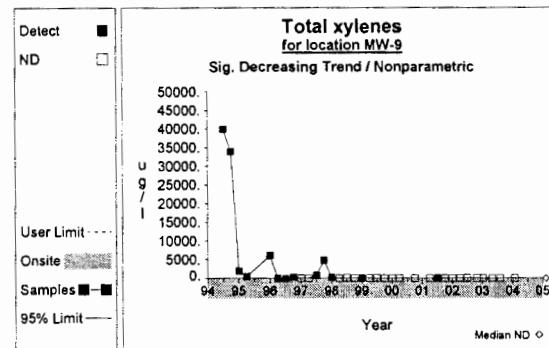
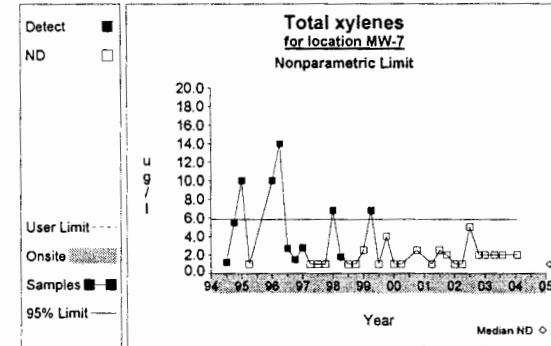
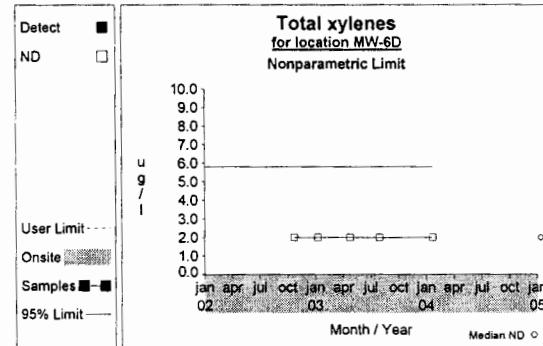
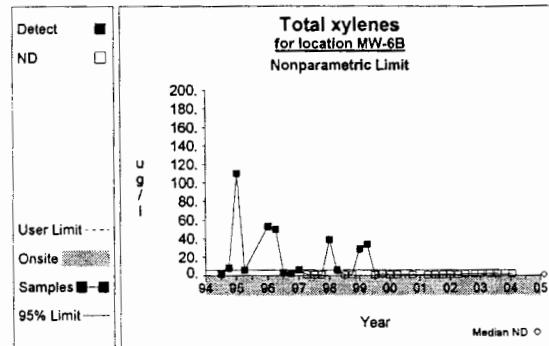


Comparison to Background



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Comparison to Background



Comparison to Background

